Maricopa County Air Quality Department

2006 Air Monitoring Network Review

June 2007

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Acknowledgements

The Maricopa County Air Monitoring Division maintains more than twenty ambient air monitoring sites throughout Maricopa County. Some of the exciting new events happening this year include the implementation of our new interactive website, where real-time pollution data can be viewed from our network, and the approval of our Mobile Monitoring Program. We also hired a new technician this year, Mark Alonzi. I would especially like to thank all of the air monitoring staff for the excellent job they did in maintaining Maricopa County's air monitoring network. They are Larry Seals, Del Hawkins, Gary Ensminger, Dan Fields, Ronald Pope, Tom Shorb, Dale Foster, Chris Hernandez, Hugh Tom, Charles Miller, Carl Harper, Robert Dyer, and Mark Alonzi.

In addition, the assistance of other agencies that provided data and helpful comments to this review is gratefully acknowledged. These include Arizona Department of Environmental Quality (ADEQ), Pinal County Air Quality Control District (PCAQCD), and Maricopa Association of Governments (MAG).

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ABSTRACT

This 2006 Annual Air Monitoring Network Review is being submitted by the Maricopa County Air Quality Department[1] (MCAQD) to the United States Environmental Protection Agency (US EPA) Region 9. The network review evaluates the adequacy of the ambient air monitoring network with respect to the monitoring objectives and spatial scales. This annual assessment is required by 40 CFR Part 58, Subpart B. Network changes, special projects, and 3-year data summaries are included in the review. This Network Review is also preliminary to our annual data certification with the US EPA and helps us assess the quality of our data before submitting for data certification. This network review has the secondary purpose of informing the public of the criteria air pollutants that can affect their health, how the MCAQD monitors these criteria pollutants, and what the actual readings are so that our citizens can make informed decisions regarding their lifestyles.

[1] The functions of the former Air Quality Division of the Maricopa County Environmental Services Department (MCESD) were transferred to the newly-created Air Quality Department in November 2004.

DEFINITION OF TERMS

ADEQ: Arizona Department of Environmental Quality.

AQS: Environmental Protection Agency's Air Quality System

Attainment: This refers to the NAAQS used to comply with the federal Clean Air Act. After several years of no violations of the NAAQS, the EPA can classify the area as in attainment for that pollutant.

CFR: Code of Federal Regulations.

Class I: Federally designated park or wilderness area with mandated visibility protection.

CO: Carbon monoxide.

Criteria Pollutants: Six pollutants (CO, Lead, NO_2, O_3, Particulates, and SO_2) that have NAAQS established by the US EPA.

Delta T: Difference between two levels of temperature measurements. Delta T is measured in the MCAQD network at heights of 2 and 10 meters. A higher temperature at the upper level indicates a temperature inversion.

Design Value: A design value is a statistic that describes the air quality status of a given area relative to the level of the NAAQS. For a concentration-based standard, the air quality design value is simply the standard-related test statistic. The design value of a pollutant monitoring network is the highest sample value in the network used to compare to the NAAQS; e.g. the 24-hour $PM_{2.5}$ design value for the network is the monitor with the highest 3-year average of the 98^{th} percentile.

EPA: U. S. Environmental Protection Agency.

Exceptional Events: An uncontrollable event caused by natural sources of pollution or an event that is not expected to recur at a given location.

FDMS-TEOM: Filter Dynamics Measurement System-Tapered Element Oscillating Microbalance. A continuous particulate measuring instrument used by MCAQD to measure $PM_{2.5}$.

HAPs: Hazardous air pollutants. An air-born chemical that has been listed in the federal Clean Air Act and has an associated standard or process requirement determined for it.

MCAQD: Maricopa County Air Quality Department.

µg/m^3: Microgram per cubic meter.

MSA: Metropolitan Statistical Area. A geographical area designated by the federal government based on the concept of a core area with a large population nucleus, plus adjacent communities having a high degree of economic and social integration with that core. The MCAQD operates within the Phoenix-Mesa MSA which includes portions of Maricopa and Pinal County.

NAAQS: National Ambient Air Quality Standards. A health and welfare-based standard that is set by the US EPA to qualify allowable levels of criteria pollutants.

NO_2: Nitrogen dioxide.

NO_X: Sum of nitrogen oxide and NO_2.

O_3: Ozone.

Pb: Lead.

PM: Particulate matter. Material suspended in the air in the form of minute solid particles or liquid droplets.

$PM_{2.5}$: Particulate matter of 2.5 Microns in diameter or smaller

PM_{10}: Particulate matter of 10 Microns in diameter or smaller.

PPM: Parts per million.

Primary Standard: One portion of the NAAQS. These standards are designed to protect the public health.

Secondary Standard: The less stringent portion of the NAAQS designed to protect property and the environment.

SIP: State Implementation Plan. SIPs are a collection of state and local regulations and plans to achieve healthy air quality under the Clean Air Act.

SLAMS: State and Local Air Monitoring Station. The SLAMS consist of a network of approximately 5,000 monitoring stations nationwide whose size and distribution is largely determined by the needs of State and local air pollution control agencies to meet their respective State implementation plan (SIP) requirements. Other types of monitoring stations include NCORE (national core) and SPM (special purpose) monitors. Maricopa County does not currently operate any NCORE or SPM monitors.

SO_2: Sulfur dioxide.

SPM: Special purpose monitor. Special Purpose Monitoring Stations provide for special studies needed by the State and local agencies to support State implementation plans and other air program activities. The SPMs are not permanently established and can be adjusted easily to accommodate changing needs and priorities.

SSI: Size Selective Inlet. SSI High Volume Samplers are filter-based instruments used by MCAQD to measure PM_{10}.

TEOM: Tapered Element Oscillating Microbalance. A continuous particulate measuring instrument used by MCAQD to measure PM_{10}.

VOC: Volatile organic compounds. VOCs are chemical compounds that can easily vaporize and enter the atmosphere. There are many natural and artificial sources of VOCs; solvents and gasoline make up some of the largest artificial sources. VOCs will react with NO_x in the presence of sunlight to create ground-level ozone pollution.

CRITERIA POLLUTANT INFORMATION

Abstract of Pollutants

Certain air pollutants, called "criteria air pollutants," are common throughout the United States. These pollutants can cause health problems, pollute the environment, and cause property damage. These criteria pollutants are so named since the US EPA has regulations, called the National Ambient Air Quality Standards (NAAQS), on allowable levels of these substances using health-based criteria. One set of limits, called "primary standards", protect health, while another set of "secondary" standards, are designed to protect property and the environment. The US EPA names the following pollutants as criteria pollutants: carbon monoxide (CO), lead (Pb), nitrogen dioxide (NO_2), ozone (O_3), particulates (PM_{10} & $PM_{2.5}$), and sulfur dioxide (SO_2). MCAQD operates monitors for the following criteria pollutants: carbon monoxide, ozone, particulates, nitrogen dioxide, and sulfur dioxide. Since levels of lead have been consistently below national levels, MCAQD has been allowed to stop monitoring for lead.

Causes and Characteristics of Pollutants

Carbon Monoxide:
CO is the most widely distributed and most commonly occurring air pollutant. Total emissions of CO to the atmosphere exceed all other pollutants combined, on a weight basis. Fortunately, CO does not persist in the atmosphere, but is quickly converted to carbon dioxide (CO_2). CO can reach dangerous levels in localized areas or hotspots such as heavily traveled intersections or city streets. In addition, CO has been implicated in ozone formation. Most people are familiar with CO and are aware that automobiles produce this deadly odorless and colorless gas. In Maricopa County, more than 70% of all anthropogenic CO comes from motor vehicle emissions. In fact, this gas is produced almost anytime something is burned. All substances that are living (plants, animals) or that were once living (wood, coal, oil, gasoline) are composed of carbon compounds. If these substances are burned in the presence of sufficient oxygen, the carbon is converted to CO_2 gas. If, as is often the case, not enough oxygen is present, carbon monoxide gas is produced.

Carbon monoxide's danger lies in the extremely strong affinity that hemoglobin has for it. Hemoglobin, the special oxygen-transporting material in the red blood cell, has approximately 200 times stronger affinity for CO than for oxygen. Therefore, if both CO and O_2 are present the bonding between the CO and hemoglobin will prevent the O_2 from exchanging within a person's body. This puts a heavy burden on people with heart disease and can aggravate angina, but even healthy people can suffer from harmful side effects from CO.

In 2006 Maricopa County achieved its tenth consecutive year of compliance with the eight-hour CO standard.

Lead:
Lead is a metal found naturally in the environment as well as in manufactured products. The major sources of lead emissions have historically been motor vehicles (such as cars and trucks) and industrial sources. Due to the phase out of leaded gasoline, metals processing is the major source of lead emissions to the air today. The highest levels of lead in air are generally found near lead smelters. Other stationary sources are waste incinerators, utilities, and lead-acid battery manufacturers. In the early 1970s, EPA set national regulations to gradually reduce the lead content in gasoline. In 1975, unleaded gasoline was introduced for motor vehicles equipped with catalytic converters. EPA banned the use of leaded gasoline in highway vehicles in December 1995. Primarily as a result of EPA's regulatory efforts to remove lead from gasoline, levels of lead in the air have decreased by 94 percent between 1980 and 1999.

Since levels of lead have been consistently below national levels, Maricopa County was allowed to discontinue ambient air monitoring for lead in 1997.

Nitrogen Dioxide:
NO_2 belongs to a family of highly reactive gases called nitrogen oxides. These gases are formed when fuel is burned at high temperatures, and are emitted primarily from automobile exhaust and power plants. Exposure to nitrogen dioxide can irritate the lungs and lower resistance to respiratory infections, particularly in people with existing respiratory illness such as asthma. Maricopa County is currently in attainment status for NO_2.

Ozone:
O_3 is a naturally occurring compound in which three oxygen atoms combine together. This is an unstable combination, and ozone is continually going through a natural cycle of being formed and then converting back to the more stable "normal" double oxygen compound (O_2). The cycle occurs fairly rapidly. In the stratosphere (6 miles and more above the earth), naturally occurring ozone has a beneficial effect of screening out harmful ultraviolet light from the sun. However, ground-level ozone is a pollutant and is a component of the regional smog that affects the valley. Ozone is not directly emitted into the air, but rather forms in a complex reaction that involves heat, sunlight, and a "soup" of toxic pollutants, especially volatile organic compounds (VOCs). Some of the most common sources of VOCs are gasoline vapors, chemical solvents, and combustion products of fuels and consumer products. Ozone is created by sunlight acting on nitrates (NO_X) and VOCs from motor vehicles and stationary sources, and can be carried hundreds of miles from their origins. Ozone affects the respiratory system in people and animals, and also affects the growth of plants.

Maricopa County is currently not in attainment for Ozone pollution, although the number of violations of the standard has been decreasing in recent years.

Particulate Matter:
Particulate matter is the term for solid or liquid particles found in the air. Particle pollution is made up of a number of components, including acids (such as nitrates and sulfates), organic chemicals, metals, and soil or dust particles. While some particles are large or dark enough to be seen as soot or smoke, others can only be seen through an electron microscope. In 1987 the EPA replaced the Total Suspended Particulates (TSP) air quality standard with a standard for PM_{10} (particles measuring ten microns or less). Health research studies have found that PM_{10} has the ability to reach the lower regions of the respiratory tract, and thus can affect the respiratory system in both humans and animals. Particulates that have high acid levels can cause damage to man-made materials and reduce visibility.

The size of particles is directly linked to their potential for causing health problems. EPA is concerned about particles that are 10 micrometers in diameter or smaller because those are the particles that generally pass through the throat and nose and enter the lungs. Once inhaled, these particles can affect the heart and lungs and cause serious health effects. EPA groups particle pollution into two categories:

- "Coarse particles," such as those found near roadways and dusty industries, range in size from 2.5 to 10 microns in diameter.
- "Fine particles," such as those found in smoke and haze, have diameters smaller than 2.5 microns. These particles can be directly emitted from sources such as forest fires, or they can form when gases emitted from power plants, industries and automobiles react in the air.

Maricopa County is currently not in attainment for PM_{10} (although we are in attainment for $PM_{2.5}$), nor have we met the requirements set forth in our State Implementation Plan (SIP). As a result of this, the EPA is implementing a 5% reduction of emissions plan, including the possibility of sanctions. This plan, which is required by the Clean Air Act, will continue until Maricopa County can bring the particulate matter pollution down into compliance.

Sulfur Dioxide:
SO_2 is emitted (in gaseous form) largely from burning high-sulfur coal, oil, and diesel fuel. Because this gas is usually found in association with particulate pollution, as SO_2 is the precursor for fine sulfate particles, separating the health effects of these two pollutants is difficult. Together SO_2 and $PM_{2.5}$ make up a major portion of the pollutant load in many cities, acting separately and in concert to threaten public health. SO_2

contributes to respiratory illness, particularly in children and the elderly, and aggravates existing heart and lung diseases. SO_2 contributes to the formation of acid rain, and it contributes to the formation of atmospheric particles that cause visibility impairment, most noticeably in national parks. SO_2 and the pollutants formed from SO_2, such as sulfate particles, can be transported over long distances and deposited far from the point of origin. This means that problems with SO_2 are not confined to areas where it is emitted.

Maricopa County is in attainment for Sulfur Dioxide.

National Ambient Air Quality Standards

The EPA Office of Air Quality Planning and Standards (OAQPS) manages programs to improve air quality in areas where the current quality is unacceptable and to prevent deterioration in areas where the air is relatively free of contamination. To accomplish this task, OAQPS establishes the National Ambient Air Quality Standard (NAAQS) for each of the criteria pollutants (see Table 1).

There are two types of standards. Primary standards protect against adverse health effects; secondary standards protect against welfare effects, such as damage to farm crops and vegetation and/or damage to buildings. Because different pollutants have different effects, the NAAQS are also different. Some pollutants have standards for both long-term and short-term averaging times. The short-term standards are designed to protect against acute, or short-term, health effects, while the long-term standards are established to protect against chronic health effects. Table 1 lists the NAAQS for six criteria pollutants.

Table 1 National Ambient Air Quality Standards

Pollutant	Primary Standards	Averaging Times	Secondary Standard
Carbon Monoxide	9 ppm	8-hour[1]	None
	35 ppm	1-hour[1]	None
Lead	1.5 µg/m^3	Quarterly Average	Same as Primary
Nitrogen Dioxide	0.053 ppm	Annual (Arithmetic Mean)	Same as Primary
PM_{10}	150 µg /m^3	24-hour[1]	Same as Primary
$PM_{2.5}$	15 µg/m^3	Annual[2] (Arithmetic Mean)	Same as Primary
	35 µg/m^3	24-hour[3]	Same as Primary
Ozone	0.08 ppm	8-hour[4]	Same as Primary
Sulfur Oxides	0.03 ppm	Annual (Arithmetic Mean)	-------
	0.14 ppm	24-hour[1]	-------
	-------	3-hour[1]	0.5 ppm

[1] Not to be exceeded more than once per year.

[2] To attain this standard, the 3-year average of the annual arithmetic mean $PM_{2.5}$ concentrations from single or multiple community-oriented monitors must not exceed 15 µg/m^3.

[3]To attain this standard, the 3-year average of the 98th percentile of 24-hour concentrations at each population-oriented monitor within an area must not exceed 35 µg/m^3.

[4] To attain this standard, the 3-year average of the fourth-highest daily maximum 8-hour average ozone concentrations measured at each monitor within an area over each year must not exceed 0.08 ppm.

Abstract of MCAQD Pollution Monitoring Strategies

The MCAQD monitors for these criteria pollutants by maintaining twenty-three ambient air-monitoring sites throughout Maricopa County. The dates that the sites were established range from 1961 (Central Phoenix) to 2004 (Buckeye). Land use patterns around these sites vary from heavy populated urban areas to sparsely populated rural settings. Site elevations range from the Salt River channel to the top of Humboldt Mountain. Not all pollutants are measured at all sites; some sites measure most of the pollutants, while others only measure one or two pollutants.

The following section will detail how MCAQD designs its air monitoring network to obtain representative samples of these air pollutants. Following this will be details of the results obtained from our 2006 sampling season.

NETWORK DESIGN

Purpose and Objective of the Network

The purpose of the ambient air monitoring network is to assess the extent of air pollution, ensure compliance with national legislation, evaluate control options, and provide data for air quality modeling. In general, six basic monitoring objectives and five measuring scales are used to determine the network design (see Table 2 and Table 3). Additional considerations such as availability of power, accessibility to site, security, geographic location, and fiscal and personnel resources are also addressed in determining the feasibility of the network design.

Table 2 Site Monitoring Objectives

1. Determine highest concentrations expected to occur in the area covered by the network.
2. Determine representative concentrations in areas of high population density.
3. Determine the impact on ambient pollution levels of significant sources or source categories.
4. Determine general background concentration levels.
5. Determine the extent of regional pollutant transport from populated areas, with regards to the secondary standards (such as visibility impairment and effects on vegetation).
6. Determine the welfare-related impacts in more rural and remote areas.

To establish or evaluate a site, one must link its monitoring objectives to the physical location of the site. This can be done by matching the spatial scale, which represents the sample of air around the monitor where pollutant concentrations are reasonably uniform, with the most appropriate monitoring objective. Thus, spatial scale represents the physical dimensions of the air parcel around the monitor, and monitoring objective represents the overall purpose of the monitor. Combining the proper spatial scale with the monitoring objective explains why air monitoring sites are located in particular areas.

Table 3 Spatial Measurement Scales

Scale	Defined parameter (radius)
Micro Scale	0 to 100 meters
Middle Scale	100 to 500 meters
Neighborhood Scale	0.5 to 4 kilometers
Urban Scale	4 to 50 kilometers
Regional Scale	10 to 100s of kilometers

Since it is physically and fiscally impossible to monitor air quality in every location, representative samples must be obtained. The optimal locations for obtaining these samples are determined by using the monitoring objectives and the spatial measurement scales described above. For example, there might be numerous locations where the highest concentration of carbon monoxide may occur. Using these principles, only one or two sites will be established to represent all of the high-concentration areas. The same reasoning can be used for different types of pollutants. This does not mean that the number of monitoring sites is fixed. To the contrary, the network must be dynamic enough to maintain a current representative sample of the air quality.

Overview of the MCAQD Network

MCAQD operated a network of 23 monitoring sites in 2006. The following image details the location of these sites and gives the abbreviation symbols used by Maricopa County. Table 4 and Table 5, which follows, gives the AQS code assigned to each site and details which criteria pollutant is monitored at which site along with the monitor designation, respectively. Table 6 and Table 7 give more specific information about the location of the sites and the types and numbers of monitors at each site, respectively.

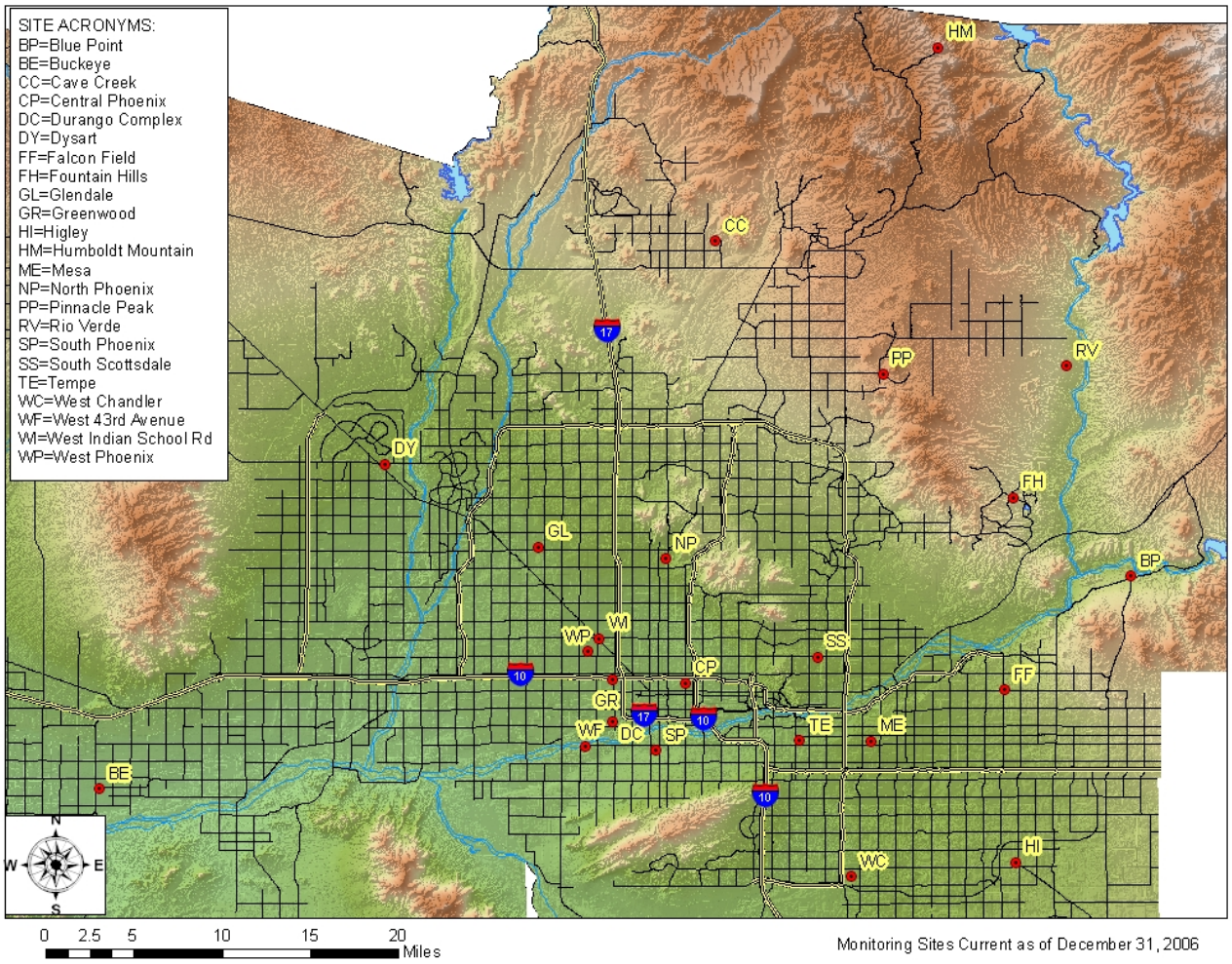


Figure 1 Maricopa County Air Monitoring Sites for 2006

Table 4 Maricopa County Ambient Air Monitoring Sites for 2006

Site Name	Site Abbr.	AQS Code
Blue Point	BP	04-013-9702
Buckeye	BE	04-013-4011
Cave Creek	CC	04-013-4008
Central Phoenix	CP	04-013-3002
Durango Complex	DC	04-013-9812
Dysart	DY	04-013-4010
Falcon Field	FF	04-013-1010
Fountain Hills	FH	04-013-9704
Glendale	GL	04-013-2001
Greenwood	GR	04-013-3010
Higley	HI	04-013-4006
Humboldt Mountain	HM	04-013-9508

Site Name	Site Abbr.	AQS Code
Mesa	ME	04-013-1003
North Phoenix	NP	04-013-1004
Pinnacle Peak	PP	04-013-2005
Rio Verde	RV	04-013-9706
South Phoenix	SP	04-013-4003
South Scottsdale	SS	04-013-3003
Tempe	TE	04-013-4005
West Chandler	WC	04-013-4004
West 43rd Ave.	WF	04-013-4009
W. Indian School Rd.	WI	04-013-0016
West Phoenix	WP	04-013-0019

Table 5 Criteria Pollutants Monitored, by Site and Network

Site	O_3	CO	$PM_{2.5}$	PM_{10}	NO_2	SO_2
Blue Point	**SLAMS**					
Buckeye	**SLAMS**	**SLAMS**		**SLAMS**	**SLAMS**	
Cave Creek	**SLAMS**					
Central Phoenix	**SLAMS**	**SLAMS**		**SLAMS**	**SLAMS**	**SLAMS**
Durango Complex			**SLAMS**	**SLAMS**		
Dysart	**SLAMS**	**SLAMS**		**SLAMS**		
Falcon Field	**SLAMS**					
Fountain Hills	**SLAMS**					
Glendale	**SLAMS**	**SLAMS**		**SLAMS**		
Greenwood		**SLAMS**		**SLAMS**	**SLAMS**	
Higley				**SLAMS**		
Humboldt Mountain	**SLAMS**					
Mesa		**SLAMS**	**SLAMS**	**SLAMS**		
North Phoenix	**SLAMS**	**SLAMS**		**SLAMS**		
Pinnacle Peak	**SLAMS**					
Rio Verde	**SLAMS**					
South Phoenix	**SLAMS**	**SLAMS**	**SLAMS**	**SLAMS**		
South Scottsdale	**SLAMS**	**SLAMS**		**SLAMS**	**SLAMS**	**SLAMS**
Tempe	**SLAMS**	**SLAMS**				
West Chandler	**SLAMS**	**SLAMS**		**SLAMS**		
West 43rd Ave.				**SLAMS**		
W. Indian School Rd.		**SLAMS**				
West Phoenix	**SLAMS**	**SLAMS**	**SLAMS**	**SLAMS**	**SLAMS**	

Table 6 Site Location

Site	Latitude	Longitude	Site Location	AQS Code
BP	33.54549	-111.60925	Usery Pass & Bush Highway	04-013-9702
BE	33.37005	-112.62070	MC85 & HWY 85	04-013-4001
CC	33.82169	-112.01739	32nd St. & Carefree Highway	04-013-4008
CP	33.45793	-112.04601	19th St & Roosevelt	04-013-3002
DC	33.42650	-112.11814	27th Ave. & Durango St.	04-013-9812
DY	33.63713	-112.34184	Bell Rd. & Dysart Rd.	04-013-4010
FF	33.45223	-111.73331	McKellips & Greenfield	04-013-1010
FH	33.61103	-111.72529	Palisades & Fountain Hills Blvd.	04-013-9704
GL	33.56936	-112.19153	59th Ave & W. Olive	04-013-2001
GR	33.46093	-112.11748	27th Ave. & Interstate 10	04-013-3010
HI	33.31074	-111.72255	Higley Rd. & Chandler Blvd	04-013-4006
HM	33.98280	-111.79870	Top of Humboldt Mountain	04-013-9508
ME	33.41045	-111.86507	Broadway Rd. & Alma School Rd.	04-013-1003
NP	33.56033	-112.06626	7th Street & Dunlap Avenue	04-013-1004
PP	33.71231	-111.85272	Pima Rd & Pinnacle Peak	04-013-2005
RV	33.71881	-111.67183	Forest Rd & Del Ray Ave.	04-013-9706
SP	33.40316	-112.07533	Central Ave. & Broadway	04-013-4003
SS	33.47968	-111.91721	Scottsdale Rd. & Thomas Rd.	04-013-3003
TE	33.4124	-111.93473	College Ave. & Apache Blvd.	04-013-4005
WC	33.29898	-111.88431	Ellis St. & Frye Rd.	04-013-4004
WF	33.40642	-112.14434	43rd Ave. & Broadway Rd.	04-013-4009
WI	33.49462	-112.13098	33rd Ave. & Indian School Rd.	04-013-0016
WP	33.48385	-112.14257	39th Ave. & Earll Dr.	04-013-0019

Table 7 Site Instrument Setup

AIR MONITORING NETWORK OPERATIONS																	
Sites	Wind Speed & Direction	O3		CO		NOX	SO2	Press	Delta Temp	Temp	Relative Humidity	Room Temp	Rain	Cont. PM-2.5	Cont. PM-10	PM-2.5 Filter	PM-10 Filter	#Active Instruments
BP	1	1								1		1						4
BE	1	1	*	1	*	1		1		1	1	1			1			9
CC	1	1	*							1	1	1	1					6
CP	1	1		1		1	1	1		1		1			1			9
DC	1							1		1				1	1			5
DY	1	1	*	1	*					1	1	1					1	7
FF	1	1	*									1						3
FH	1	1						1		1	1	1						6
GL	1	1	*	1	*					1	1	1					1	7
GR	1			1		1		1		1		1			1			7
HI	1							1	1	1					1			5
HM		1	*							1	1	1						4
ME	1			1	*			1		1	1	1				1	2	9
NP	1	1		1	*			1	1	1		1					1	8
PP	1	1										1						3
RV		1	*									1						2
SP	1	1		1	*			1		1		1				1	1	8
SS	1	1		1	*	1	1	1		1	1	1					2	11
TE	1	1		1	*				1	1		1	1					7
WC	1	1	*	1	*			1		1	1	1					1	8
WF	1							1	1	1		1			1			6
WI	1			1								1						3
WP	1	1		1		1		1	1	1		1		1	1	2		12
Active Instr.	21	17		13		5	2	13	5	19	9	21	2	2	7	4	9	**149**

* = Instruments operate seasonally

Chart Current as of 12/31/06

Total # of Sites **23**

2006 SUMMARY OF NETWORK RESULTS AND REQUIRED INFORMATION

Data Completeness

Before any data set can be considered valid it must first pass a data recovery test that consists of determining the ratio of actual samples to scheduled samples by quarter. This ratio must be greater than 75% for a data set to pass the first validity test. After all validation tests have been passed, the data can be used to determine compliance with the NAAQS.

The following is a summary of the annual data completeness for all criteria pollutants (Table 8).

Table 8 2006 Criteria Pollutant Data Completeness

	Number of Actual Samples	Number of Scheduled Samples	Data Completeness (Actual/Schedule)
Carbon Monoxide	78860	80832	97.6%
Ozone	114132	116304	98.1%
$PM_{2.5}$ (1 in 3 day)	473	488	96.9%
$PM_{2.5}$ (continuous)	16292	17520	93.0%
PM_{10} (1 in 6 day)	406	427	95.1%
PM_{10} (continuous)	60494	61320	98.7%
Nitrogen Dioxide	41575	43800	94.9%
Sulfur Dioxide	16771	17520	95.7%
Total	**329018**	**338211**	**97.3%**

Criteria Pollutant Summary

Carbon Monoxide (CO)

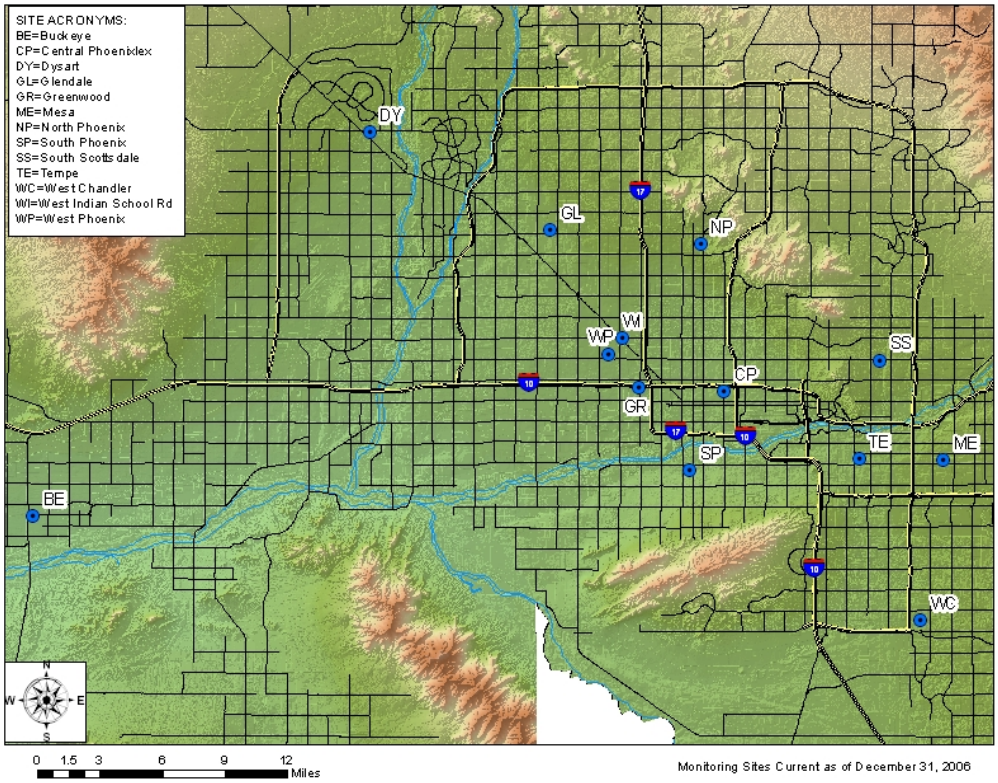


Figure 2 2006 Carbon Monoxide Monitoring Sites

During 2006, thirteen CO monitors were reported as operational to the USEPA Air Quality System (AQS) (Figure 2). All CO monitors are classified as SLAMS (Table 5).

There are two primary standards for CO, the 8-hour average and the 1-hour average. The 8-hour primary standard is 9 ppm and the 1-hour primary standard is 35 ppm. A violation of the standard is any two exceedances in a calendar year. For calendar year 2006, no exceedances of the CO 1-hour or 8-hour standards were recorded at any MCAQD monitoring sites (see Table 9).

Table 9 2006 1-hour and 8-hour Average Carbon Monoxide Summary

Site	CO 1-hour Average Max. (PPM); Date: Hour	CO 1-hour Average 2nd High (PPM); Date: Hour	Number of Samples	CO 8-hour Average Max. (PPM); Date: Hour	CO 8-hour Average 2nd High (PPM); Date: Hour	Number of Exceedances of 1/8-Hour average
Buckeye	**1.2;** 12/11:09	**1.2;** 12/27:10	4674	**0.7;** 12/27:10	**0.6;** 12/25:23	0
C. Phoenix	**6.0;** 11/06:13	**4.8;** 01/10:07	8576	**3.8;** 01/14:01	**3.2;** 11/18:00	0
Dysart	**1.3;** 11/22:18	**1.3;** 12/05:18	5004	**0.9;** 12/07:12	**0.8;** 12/25:13	0
Glendale	**3.8;** 12/21:01	**2.9;** 12/21:00	4996	**1.9;** 12/21:02	**1.8;** 01/01:05	0
Greenwood	**6.3;** 01/11:08	**5.2** 12/06:07	8345	**3.6;** 12/07:08	**3.5;** 01/11:09	0
Mesa	**4.1;** 01/06:22	**3.5;** 01/06:21	5012	**2.8;** 01/07:01	**2.0;** 12/15:01	0
N. Phoenix	**3.5;** 12/06:07	**3.3;** 01/11:07	5031	**2.0;** 01/08:01	**1.9;** 01/11:11	0
S. Phoenix	**5.2;** 01/10:08	**4.7;** 01/10:07	5025	**3.2;** 12/25:03	**2.7;** 02/05:01	0
South Scottsdale	**5.5;** 11/28:14	**3.1;** 01/23:07	5009	**2.1;** 01/14:01	**1.9;** 11/18:00	0
Tempe	**3.7;** 01/06:22	**3.4;** 01/06:23	5022	**2.5;** 01/07:02	**2.4;** 12/15:01	0
West Chandler	**2.7;** 01/13:22	**2.6;** 01/06:07	5027	**2.2;** 01/14:02	**2.0;** 11/23:01	0
W. Indian School	**7.8;** 09/20:10	**7.7;** 10/11:07	8541	**5.3;** 12/25:03	**4.5;** 11/18:01	0
W. Phoenix	**7.2;** 01/23:06	**6.5;** 01/23:07	8598	**5.0;** 12/25:03	**4.6;** 11/18:02	0

Ozone (O_3)

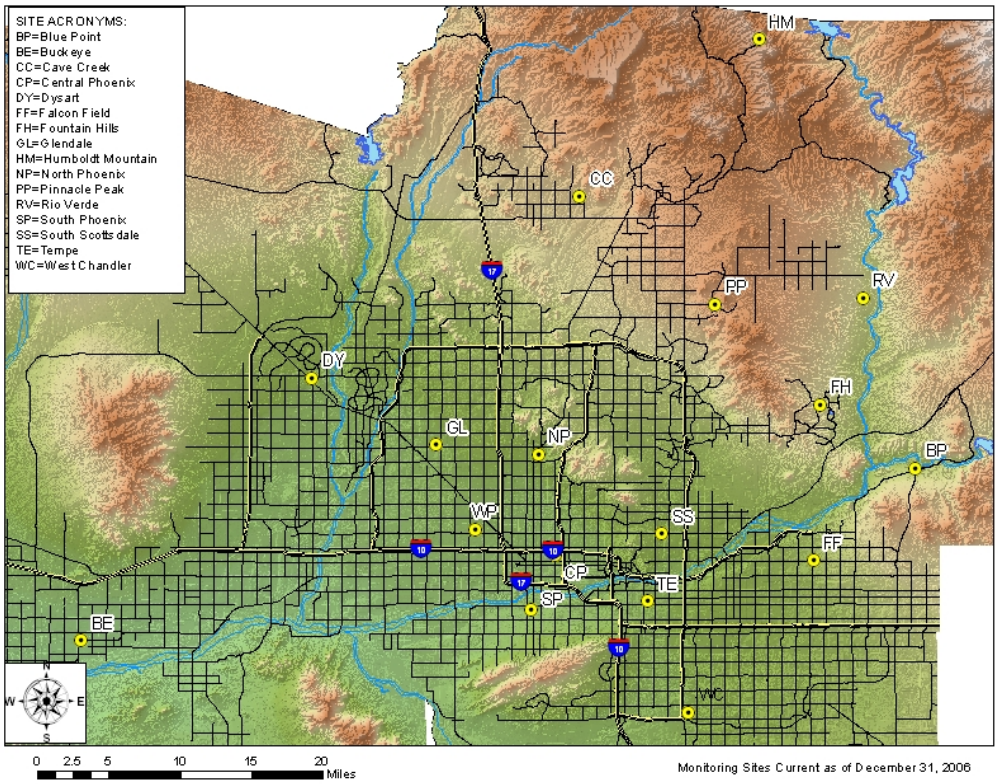


Figure 3 2006 Ozone Monitoring Sites

During 2006, seventeen ozone monitors were reported as operational in AQS (Figure 3). All of the ozone monitors are classified as SLAMS (Table 5). The 1-hour average ozone standard was revoked by the EPA on June 15, 2005, and has been replaced by the 8-hour average standard for compliance purposes.

The eight-hour primary standard for ozone is 0.08 ppm. Compliance with the standard is determined by averaging the 4th highest eight-hour average over a three-year period. This three-year average must be less than or equal to 0.08 ppm.

For calendar year 2006, there were ten sites that exceeded the eight-hour primary standard for ozone (an exceedance is any 8-hour average value >.08 ppm; because of mathematical rounding the value is actually 0.085 ppm or greater). Table 10 presents the 2006 data summary for eight-hour ozone at MCAQD monitoring sites. There were no violations of the eight-hour primary standard (the 8-hour average NAAQS for ozone is violated when the three-year average of the fourth high is greater than 0.08 (0.085 with rounding) ppm; however several sites came very close to violating the standard (Table 11).

Table 10 2006 8-hr Average Ozone Summary

Site	8-hour max. (PPM); Date: Hour	2nd High (PPM); Date: Hour	3rd High (PPM); Date: Hour	4th High (PPM); Date: Hour	Number of Days ≥ 0.085
Blue Point	**.064;** 06/30:11	**.063;** 05/06:12	**.062;** 07/01:11	**.062;** 07/17:12	0
Buckeye	**.072;** 06/28:10	**.068;** 07/06:10	**.067;** 06/07:10	**.067;** 07/01:10	0
Cave Creek	**.088;** 07/24:14	**.083;** 07/01:12	**.082;** 06/28:12	**.080;** 06/02:12	1

Central Phoenix	**.089;** 07/01:10	**.083;** 07/08:12	**.081;** 07/17:10	**.080;** 06/29:11	1
Dysart	**.079;** 07/01:10	**.076;** 07/19:12	**.075;** 06/28:11	**.072;** 07/24:10	0
Falcon Field	**.085;** 07/17:12	**.082;** 06/18:10	**.082;** 07/01:11	**.079;** 06/29:12	1
Fountain Hills	**.089;** 07/17:12	**.086;** 06/18:12	**.086;** 06/30:10	**.084;** 05/06:11	3
Glendale	**.084;** 07/01:10	**.083;** 06/28:11	**.079;** 07/08:12	**.078;** 06/26:11	0
Humboldt Mt.	**.084;** 05/31:17	**.084;** 07/01:12	**.082;** 06/01:00	**.079;** 05/12:12	0
North Phoenix	**.094;** 07/01:10	**.087;** 06/29:11	**.086;** 06/28:11	**.085;** 07/17:11	4
Pinnacle Peak	**.082;** 07/24:11	**.079;** 07/01:11	**.077;** 07/17:11	**.076;** 06/28:13	0
Rio Verde	**.086;** 06/30:11	**.084;** 07/01:11	**.083;** 05/06:12	**.083;** 06/18:12	1
South Phoenix	**.075;** 06/01:11	**.072;** 06/02:11	**.072;** 06/03:10	**.069;** 05/06:11	0
South Scottsdale	**.086;** 07/17:11	**.081;** 06/29:10	**.080;** 07/01:10	**.080;** 07/18:10	1
Tempe	**.087;** 07/01:10	**.082;** 06/29:11	**.081;** 07/17:11	**.079;** 06/18:10	1
West Chandler	**.089;** 07/01:10	**.089;** 08/09:10	**.083;** 06/26:11	**.081;** 06/04:10	2
West Phoenix	**.096;** 07/19:12	**.088;** 06/28:11	**.085;** 07/01:10	**.082;** 07/21:10	3

Table 11 3 Year Average of 8-Hour Ozone

Site	**2004 4th High (PPM)**	**2005 4th High (PPM)**	**2006 4th High (PPM)**	**3 Yr. Avg. of 4th High (PPM)***
Blue Point	0.075	0.081	.079	0.078
Buckeye	Not Operating	0.065	.067	N/A
Cave Creek	0.076	0.082	.080	0.079
Central Phoenix	0.074	0.078	.080	0.076
Dysart	Not Operating	0.066	.072	N/A
Falcon Field	0.070	0.076	.079	0.075
Fountain Hills	0.075	0.088	.084	0.082
Glendale	0.076	0.076	.078	0.076
Humboldt Mt.	0.078	0.087	.079	0.081
North Phoenix	0.080	0.084	.085	0.083
Pinnacle Peak	0.068	0.083	.076	0.075
Rio Verde	0.074	0.087	.083	0.081
South Phoenix	0.072	0.076	.069	0.072
South Scottsdale	0.073	0.077	.080	0.076
Tempe	0.072	0.076	.079	0.075
West Chandler	0.070	0.075	.081	0.075
West Phoenix	0.072	0.068	.082	0.074

*Note that this average value has been truncated (not rounded) to the third significant digit.

Particulate Matter <=10 Microns (PM_{10})

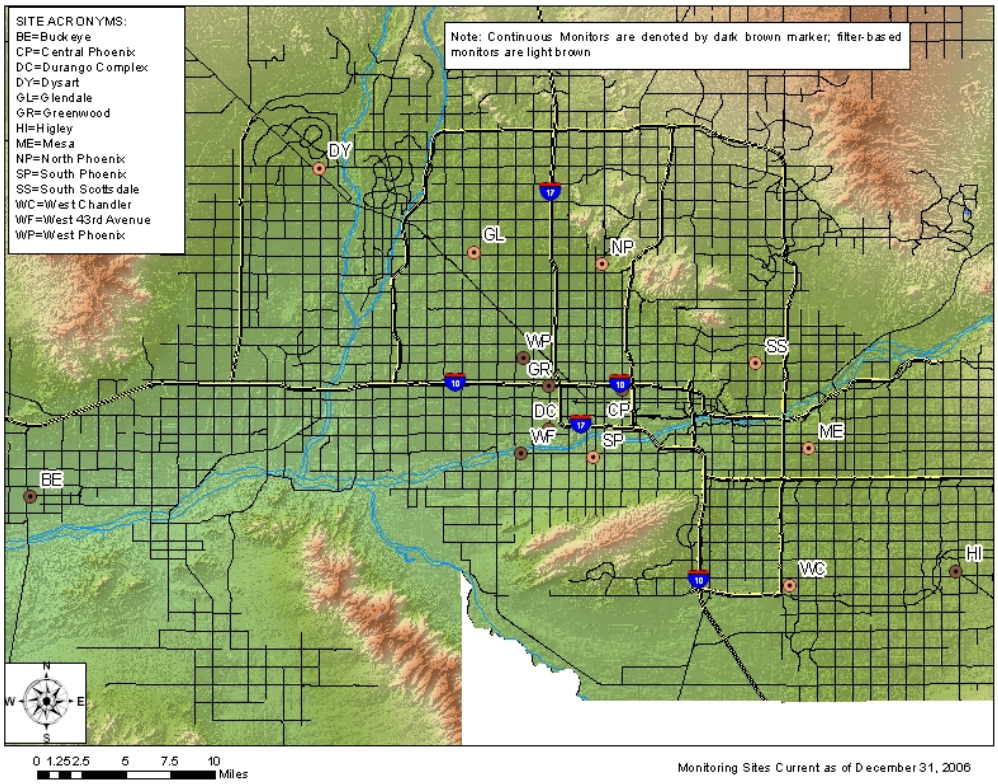


Figure 4 2006 PM_{10} Monitoring Sites (includes continuous and non-continuous sites)

During 2006, fourteen PM_{10} monitors were reported as operational in AQS (Figure 4). All PM_{10} monitors are classified as SLAMS (Table 5).

The 24-hour Primary standard for PM_{10} is 150 µg/m^3 (155 µg/m^3 with mathematical rounding). This standard is violated when the expected number of exceedance for the calendar year is more than one. A formula, as detailed in 40 CFR 50, is used to determine the expected number of exceedances. The formula takes into account the number of days sampling occurred and the number of valid samples collected. A 3-year average of these estimated days is then used to determine compliance. On December 18, 2006 new monitoring rules from the EPA revoked the PM_{10} annual primary standard, although the annual average is still displayed below for informational purposes (Table 12).

For calendar year 2006, there were five sites that exceeded the PM_{10} 24-hour standard, and there were four sites that violated the PM_{10} 24-hour standard (described in Table 22 and Table 23).

Table 12 2006 PM_{10} Summary

Site Name	24-hr Avg. Max ($\mu g/m^3$)	24-hr Avg. 2nd High ($\mu g/m^3$)	Number of 24-hour NAAQS Exceedances	Expected Exceedances	Annual Avg. ($\mu g/m^3$)	#Exceptional Events	Number of Samples
Buckeye (continuous)	272*	192*	3	3	53.2	1	8654
Central Phoenix (continuous)	134	99	0	0	42.0	1	8633
Durango Complex (continuous)	240*	183*	9	9	69.2	3	8629
Dysart	67	55	0	0	32.3	0	59
Glendale	60	59	0	0	36.3#	0	44
Greenwood (continuous)	166*	141	1	1	51.7	3	8488
Higley (continuous)	170*	166*	2	2.1	60.6	3	8551
Mesa	75	59	0	0	30.5	0	59
North Phoenix	79	62	0	0	34.4	0	61
South Phoenix	132	100	0	0	55.0	0	61
South Scottsdale	76	60	0	0	32.9	0	61
West Chandler	77	68	0	0	33.3	0	61
West 43rd Ave (continuous)	260*	204*	18	18.7	79.9	4	8438
West Phoenix (continuous)	147	122	0	0	49.8	1	8623

*Indicates an exceedance of the standard.
# Indicates <75% data recovery.

Note that some data have either been, or are in the process of being, classified as exceptional events (see Definition of Terms for explanation of exceptional events). In accordance with the EPA's exceptional events policy, once approved these data are not used in determining compliance with the NAAQS. Max values in Table 12 are from either valid data, or data that has not yet been approved as exceptional events. The process of approving exceptional events can take up to six months after the exceedance day, so some values in Table 12 could change upon EPA approval.

On July 2, 2002 (67 FR 44369), EPA found the state implementation plan (SIP) for the Metropolitan Phoenix (Maricopa County), Arizona serious PM_{10} non-attainment area to be inadequate to attain the 24-hour particulate (PM_{10}) air quality standard at the Salt River monitoring site. Under authority from the Clean Air Act, EPA has required a SIP revision to be submitted by the State of Arizona to correct the inadequacy. In 2004 the Arizona Department of Environmental Quality submitted a SIP addressing the inadequacies in the Salt River Area to the EPA. As of December 31, 2006, Maricopa County has not come into compliance with the NAAQS for PM_{10}. As a result of this, the EPA is requiring a 5% plan. This will require Maricopa County to submit an approved plan to reduce the annual PM_{10} emissions of Maricopa County by 5% until the standard is met. Failure to comply with this plan or to meet the NAAQS for PM_{10} will result in further 5% reductions annually, and could result in sanctions from the EPA.

Particulate Matter <=2.5 Microns ($PM_{2.5}$)

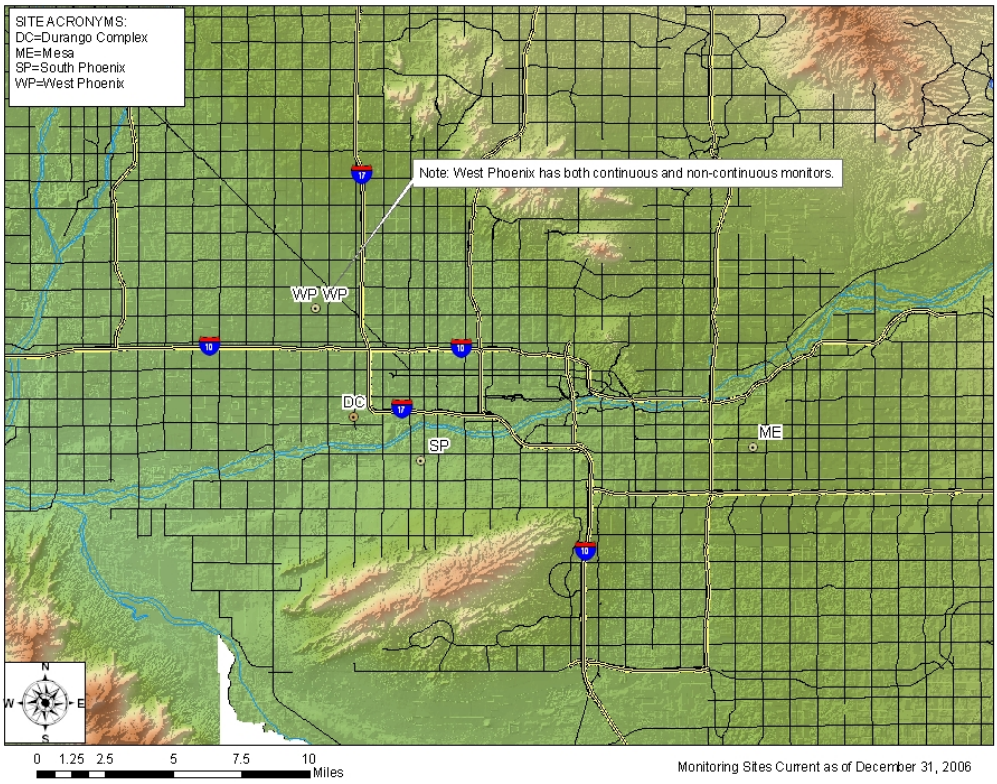


Figure 5 2006 $PM_{2.5}$ Monitoring Sites (continuous and non-continuous)

Currently, MCAQD operates collocated compliance $PM_{2.5}$ monitors at the West Phoenix site (04-013-0019) and single monitors at the Mesa site (04-013-1003) and the South Phoenix site (04-013-4003) (Figure 5). The ADEQ continues to weigh the filters for all of the monitors, but MCAQD has installed a laboratory in its facility and plans to take over this task in 2007. In addition, MCAQD operates two continuous $PM_{2.5}$ monitors at the Durango (04-013-9812) and West Phoenix (04-013-0019) sites. These continuous monitors are FDMS-TEOMs, which are not Federal Reference Methods; therefore the data collected from them is not used for compliance purposes. All monitors are identified as SLAMS (Table 5).

On December 18, 2006, the EPA implemented new primary standards for $PM_{2.5}$. These new rules changed the 24-hour average standard from 65 µg/m3 to 35 µg/m3. The annual average standard of 15 µg/m3 remains unchanged. Compliance with the 24-hour standard is determined by taking the 3-year average of the 98th percentile at each monitoring site. Compliance with the Annual standard is determined by taking the 3-year average of the spatially averaged annual means. There were 4 exceedances of the 24-hour $PM_{2.5}$ standards in 2006, but no violations. There were no exceedances or violations of the Annual $PM_{2.5}$ standards in 2006. Data is summarized in Table 13 and Table 14 (note that continuous data in Table 14 is not used for compliance purposes, it is only shown here for comparison purposes). Averages used for determining compliance with the NAAQS are shown in Table 15 and Table 16. Maricopa County is currently in attainment for $PM_{2.5}$.

Table 13 2006 $PM_{2.5}$ Summary

Site Name	24-hr Avg. Max ($\mu g/m^3$)	24-hr Avg. 2nd High ($\mu g/m^3$)	98th Percentile Value	Annual Avg. ($\mu g/m^3$)	Number of Samples
Mesa	29.1	22.1	20.1	9.66	116
South Phoenix	76.2*	49.1*	28.8	12.69	116
West Phoenix	76.7*	52.4*	28.8	13.52	121

*Indicates an exceedance of the standard

Table 14 2006 Continuous $PM_{2.5}$ Data Summary

Site Name	24-hr Avg. Max ($\mu g/m^3$)	24-hr Avg. 2nd High ($\mu g/m^3$)	98th Percentile Value	Annual Avg. ($\mu g/m^3$)	Number of Samples
Durango Complex (continuous)	68.17	51.65	34.91	15.1	7726
West Phoenix (continuous)	54.15	50.03	34.09	12.5	8566

Note that data from our continuous monitors are not accepted for compliance purposes. This data is displayed here for comparison purposes only.

Table 15 2006 $PM_{2.5}$ 3-Year Averages of 98th Percentile

Site Name	2004 98th Percentile Value	2005 98th Percentile Value	2006 98th Percentile Value	98th Percentile 3-Year Average
Mesa	Not Operating	17.5	20.1	N/A
South Phoenix	Not Operating	36.4	28.8	N/A
West Phoenix	29.9	40.5	28.8	33.07

Table 16 2006 $PM_{2.5}$ 3-Year Averages of Annual Means

Site Name	2004 Annual Mean	2005 Annual Mean	2006 Annual Mean	3-Year Average of the Annual Mean
Mesa	Not Operating	8.92#	9.66	N/A
South Phoenix	Not Operating	12.84	12.69	N/A
West Phoenix	11.60	12.91	13.52	12.68

# Indicates <75% data availability.

Nitrogen Dioxide (NO_2)

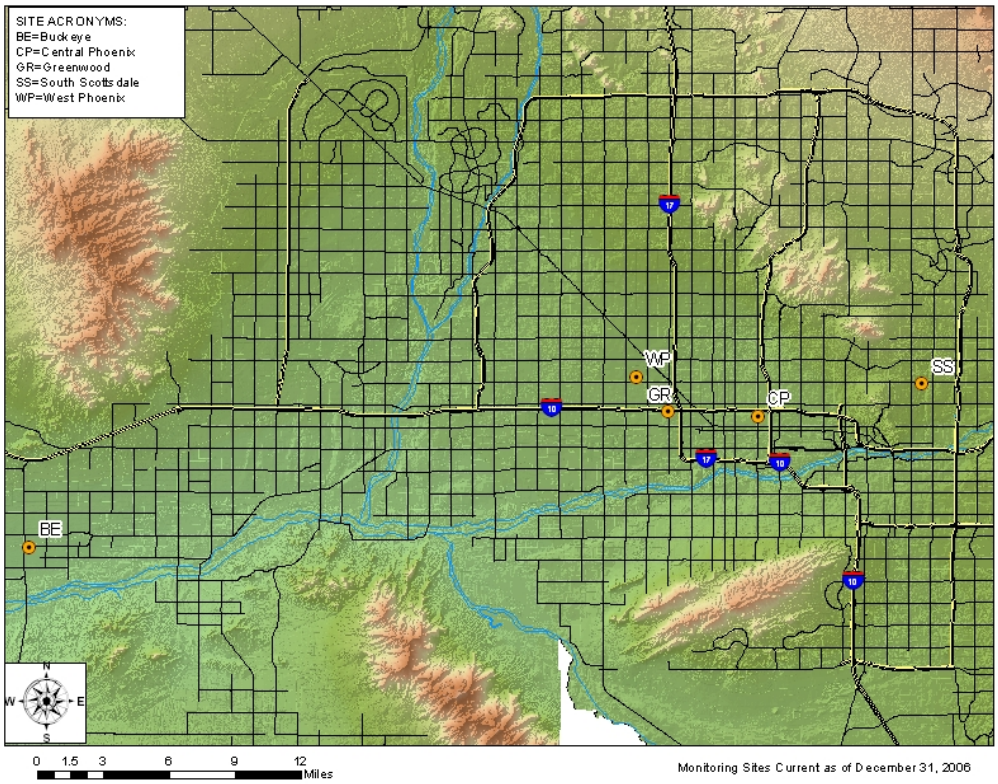


Figure 6 2006 Nitrogen Dioxide Monitoring Sites

All parts of Maricopa County are in attainment for nitrogen dioxide. During 2006, five NO_2 monitors were operational and were reported in AQS (Figure 6). All NO_2 monitors are designated as SLAMS (see Table 5).

Compliance with the NO_2 standard is achieved when the annual arithmetic mean concentration in a calendar year is less than or equal to 0.053 ppm, rounded to three decimal places. For calendar year 2006, no exceedances of the NO_2 annual standard were recorded at MCAQD monitoring sites (Table 17).

Table 17 2006 Nitrogen Dioxide Summary

Site	NO_2 Avg. 1-hour Max. (PPM); Date: Hour	NO_2 Avg. 1-hour 2nd High (PPM); Date: Hour	Number of 1-hour Samples	Annual Average (PPM)
Buckeye	**.047;** 04/03:08	**.047;** 04/20:20	8152	.0111
Central Phoenix	**.085;** 12/07:08	**.079;** 11/20:07	8533	.0251
Greenwood	**.111;** 01/11:08	**.102;** 01/05:08	8330	.0306
South Scottsdale	**.065;** 02/13:19	**.063;** 11/03:19	8086	.0192
West Phoenix	**.092;** 12/07:09	**.082;** 02/13:08	8474	.0238

Sulfur Dioxide (SO_2)

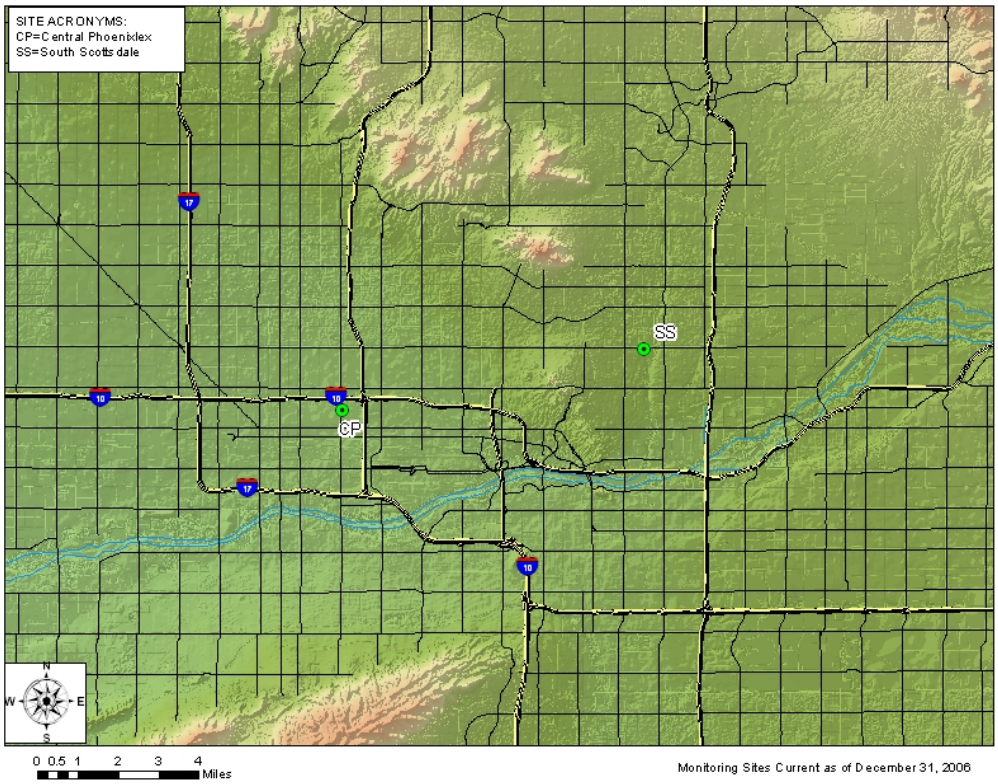


Figure 7 2006 Sulfur Dioxide Monitoring Sites

Maricopa County is in attainment for SO_2. During 2006, two SO_2 monitors were operational and were reported in AQS (Figure 7). Both of these monitors were designated SLAMS (see Table 5).

Sulfur Dioxide has an Annual and 24-hour average primary standard and a 3-hour average secondary standard. A violation of the primary standard occurs when the annual mean exceeds 0.030 ppm or when a 24-hour average of 0.14 ppm is exceeded more than once per calendar year. A violation of the 3-hour average secondary standard occurs when a 3-hour average of 0.5 ppm is exceeded more than once per year. For calendar year 2006, no exceedances of the SO_2 Annual, 24-hour, or 3-hour standard were recorded at Maricopa County monitoring sites (see Table 18).

Table 18 2006 Sulfur Dioxide Summary

Site	1-hour Max. (PPM); Date: Hour	1-hour 2nd High (PPM); Date: Hour	3-hour Max. (PPM); Date: Hour	3-hour 2nd High (PPM); Date: Hour	24-hour Max. (PPM); Date: Hour	24-hour 2nd High (PPM); Date: Hour	Annual Avg. (PPM)	Number of Samples
Central Phoenix	**.069;** 12/26:13	**.017;** 01/10:07	**.015;** 01/10:08	**.013;** 01/23:08	**.007;** 01/10:23	**.007;** 12/15:23	.0021	8421
South Scottsdale	**.019;** 08/09:08	**.018;** 08/09:06	**.017;** 08/09:08	**.011;** 01/27:11	**.006;** 02/02:23	**.006;** 08/09:23	.0018	8350

2006 NAAQS Exceedance and Violation Summary

The following is a summary of the number, types and dates of exceedances and violations of the NAAQS for 2006 (Table 19).

Table 19 2006 NAAQS Exceedances and Violations Summary

Carbon Monoxide	No exceedances or violations of the 1-hr or 8-hr NAAQS standard were logged.
Nitrogen Dioxide	No exceedances or violations of NAAQS were logged.
Ozone	There were 8 unique days when at least one monitor exceeded the standard. There were 18 individual exceedances of the 8-hour standard which occurred at 10 different sites. There were no violations of the 8-hour standard.
PM_{10}	There were 27 unique days when at least one monitor exceeded the standard. There were 33 individual exceedances of the 24-hour standard which occurred at 5 different sites. There were 4 violations of the 24-hour standard.
$PM_{2.5}$	There were 2 unique days when at least one monitor exceeded the standard. There were 4 individual exceedances of the 24-hour standard, but no violations. There were no violations of the annual standard.
Sulfur Dioxide	No exceedances or violations of NAAQS were logged.

Table 20 details the sites and dates of exceedances of the 8-hour ozone standard.

Table 20 2006 Ozone 8-hour Average Exceedance Details

Site	Date	Value (ppm)
Cave Creek	07/24	.088
Central Phoenix	07/01	.089
Falcon Field	07/17	.085
Fountain Hills	06/18	.086
	06/30	.086
	07/17	.089
North Phoenix	06/28	.086
	06/29	.087
	07/01	.094
	07/17	.085
Rio Verde	06/30	.086
South Scottsdale	07/17	.086
Tempe	07/01	.087
West Chandler	07/01	.089
	08/09	.089
West Phoenix	06/28	.088
	07/01	.085
	08/09	.096

Note: Exceedance is any 8-hour average with value ≥.085 ppm.

Table 21 details all of the site and dates of the 24-hour PM_{10} standard. Note that this table includes all exceedances, even those that have been or are in the process of being classified as exceptional events. Exceptional events are not used in calculating compliance with the NAAQS.

Table 21 2006 PM_{10} 24-hour Average Exceedance Details

Site	Date	Value (µg/m^3)
Buckeye	02/13	159
	02/14	272
	02/17	192
	04/14	212*
Central Phoenix	04/14	190*
	04/15	187*
Durango Complex	01/10	155
	01/11	169
	01/12	170
	01/19	183
	02/09	171
	02/15	157
	03/10	240*
	04/14	253*
	04/15	179*
	12/06	167
	12/07	174
Greenwood	03/10	166*
	04/14	212*
	04/15	170*
Higley	01/24	170
	04/14	222*
	04/15	274*
	06/06	156*
	10/05	166
West 43rd Avenue	01/10	190
	01/11	165
	01/12	169
	01/13	157
	01/19	184
	02/08	183
	02/09	204
	02/15	202
	03/10	260*
	04/14	313*
	04/15	192*
	05/22	174*
	06/02	160
	11/16	164
	11/17	175
	11/27	164
	12/05	173
	12/06	160
	12/07	160
	12/14	163
	12/15	177
West Phoenix	04/14	178*

*This value has been entered as an exceptional event. EPA concurrence with the exceptional event has either occurred or is pending.
Note: Exceedance is any 24-hour average with value ≥155 µg/m3.

Table 22 details the sites and dates of exceedances of the 24-hour $PM_{2.5}$ standard. Note that data from our continuous monitoring network of FDMS-TEOMs is not referenced in this table, as those monitors are not Federal Reference Methods. Only our filter-based $PM_{2.5}$ monitors, which sample on a 1-in-3 day schedule, are used to record exceedances.

Table 22 2006 $PM_{2.5}$ 24-Hour Average Exceedance Details

Site	Date	Value (µg/m^3)
South Phoenix	12/25	76.2
	12/31	49.1
West Phoenix	12/25	76.7
	12/31	52.4

Note: Exceedance is any 24-Hour average with value >35 µg/m3.

2006 Violations of the 24-Hour PM_{10} Standard

The 24hr NAAQS for particulates is violated when the rate of expected occurrence of exceedances (samples greater than or equal to 155 µg/m^3) is greater than one over three consecutive years (Table 23) (40 CFR Part 50.6 (a)).

Table 23 Violations of the 24-hr PM_{10} Standard

Site	2004		2005		2006		Rate of Expected Exceedances
	24-hr Max. (µg/m^3)	Expected Exceedances	24-hr Max. (µg/m^3)	Expected Exceedances	24-hr Max. (µg/m^3)	Expected Exceedances	
Buckeye	82‡#	#	169	2	272‡	3	N/A
Central Phoenix (continuous)	94	0	116	0	134‡	0	0
Durango Complex	139‡	0	206	13	240‡	9	7.3
Dysart	94	0	76	0	67	0	0
Glendale	69	0	84	0	60	0	0
Greenwood	100	0	173	6	166‡	1	2.3
Higley	159‡	1	142	0	177‡	2.1	1.0
Mesa	49	0	86	0	75	0	0
North Phoenix	46	0	81	0	79	0	0
South Phoenix	132	0	147	0	132	0	0
South Scottsdale	77	0	121	0	76	0	0
West Chandler	70	0	94	0	77	0	0
West 43rd Avenue	145‡	0	233	13.1	260‡	18.7	10.6
West Phoenix	100	0	155	6	147‡	0	2.0

■ Indicates violation of the standard.
# Indicates <75% data available.
‡ Indicates Exceptional Events occurred at this site. The listed value is the highest official reading.

Pollution Trends

The following charts depict the most recent three-year trends (2004–2006) for each criteria pollutant.

Carbon Monoxide

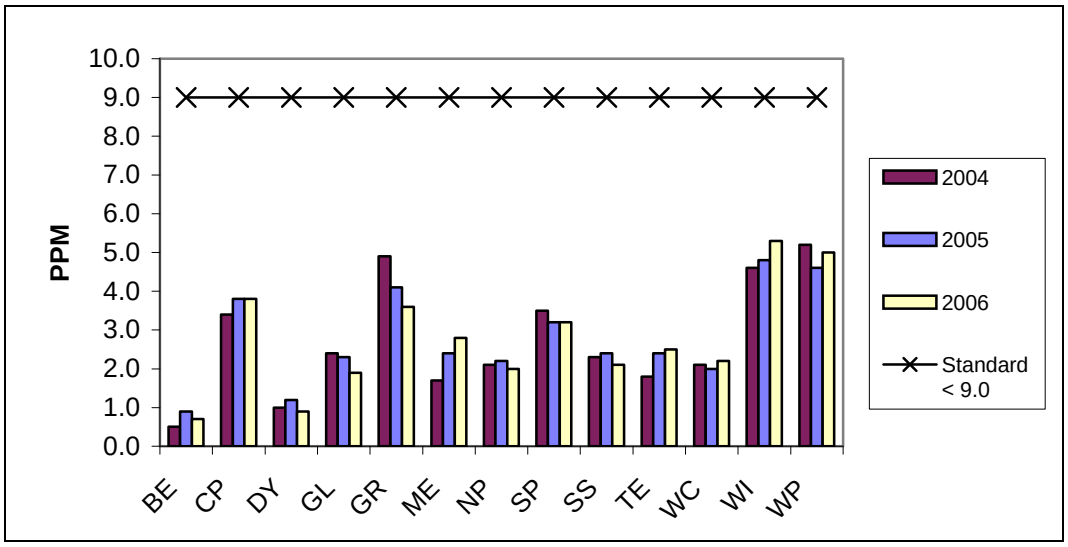


Chart 1 2004-2006 8-hr Avg. Carbon Monoxide Maximum Values

Nitrogen Dioxide

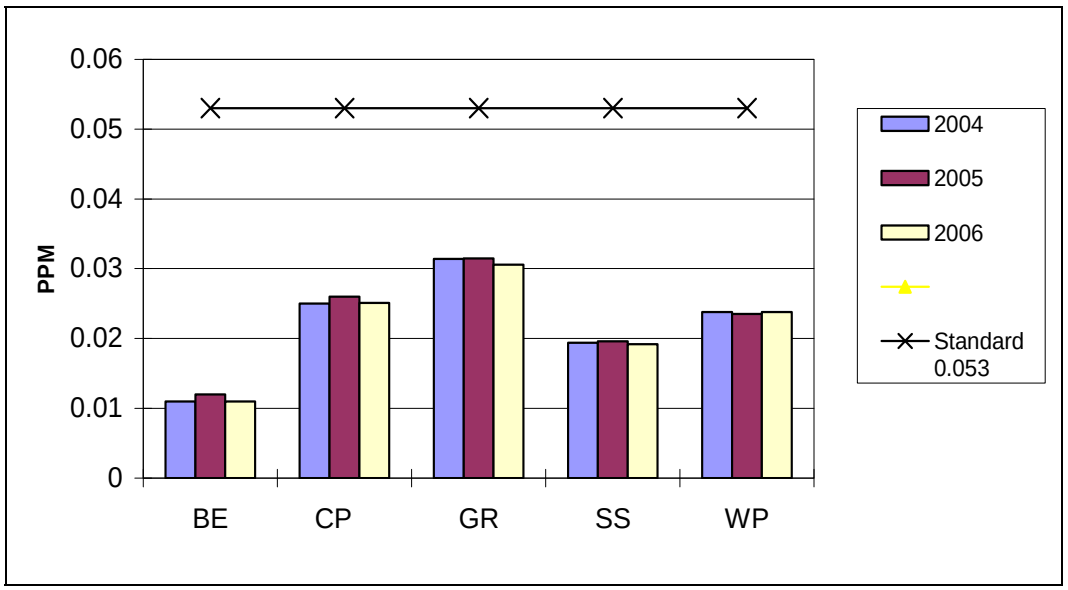


Chart 2 2004-2006 Nitrogen Dioxide Annual Average Readings

Ozone

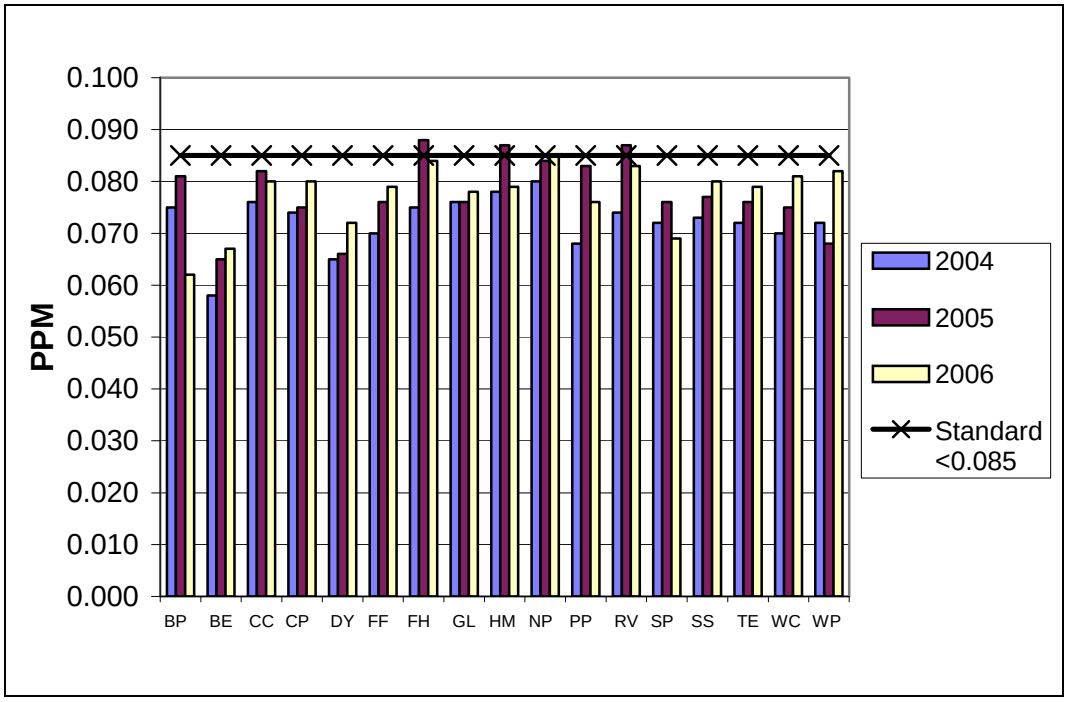


Chart 3 2004-2006 Ozone 4th high 8-hr Average

Particulates

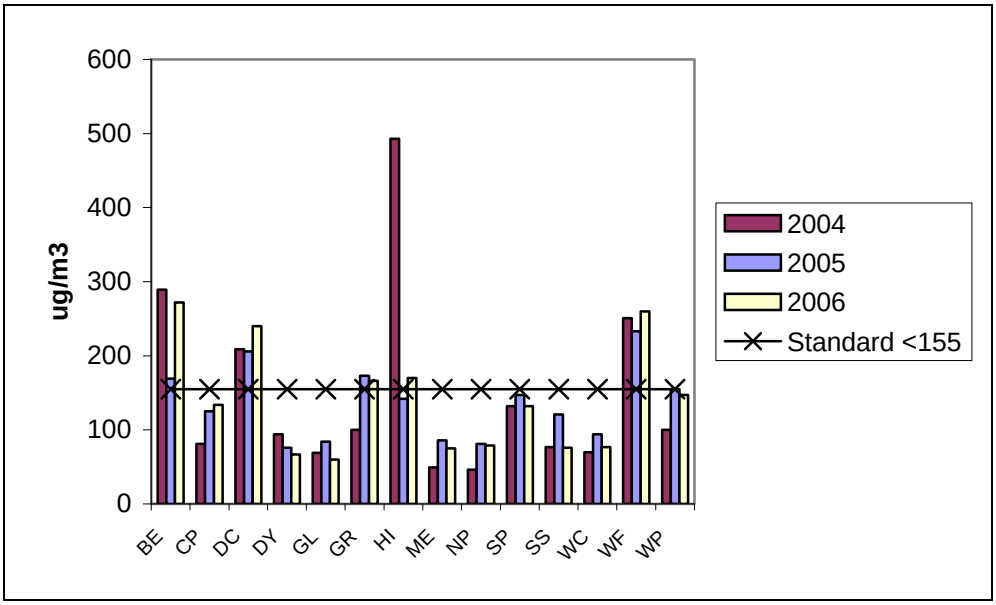


Chart 4 2004-2006 PM-10 24-hr Average Maximum Values

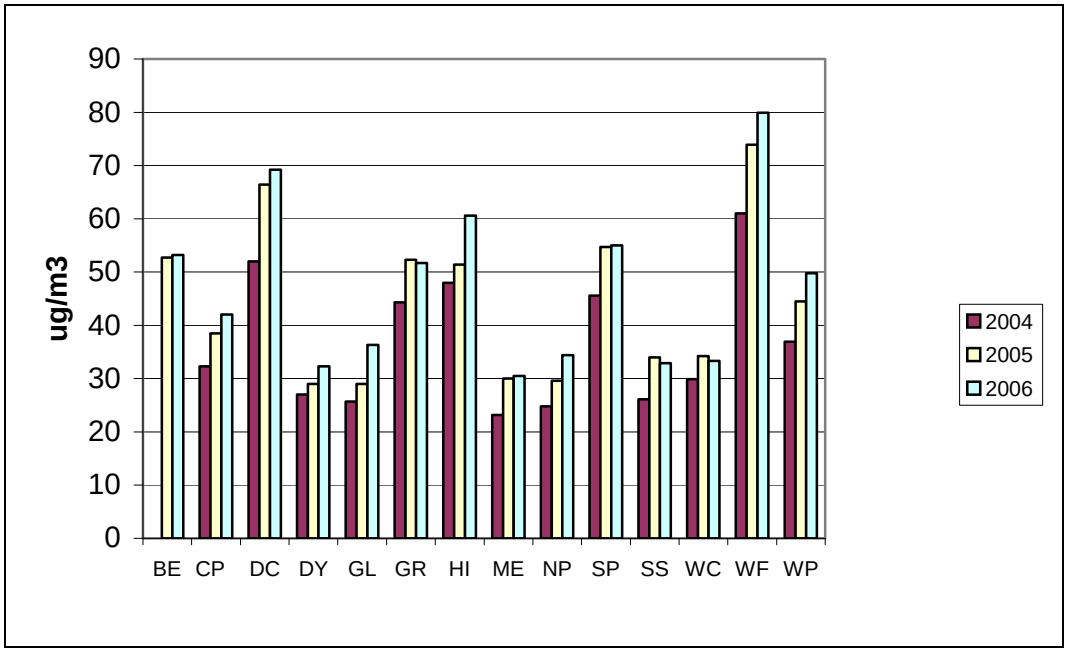


Chart 5 2004-2006 PM-10 Annual Average

Sulfur Dioxide

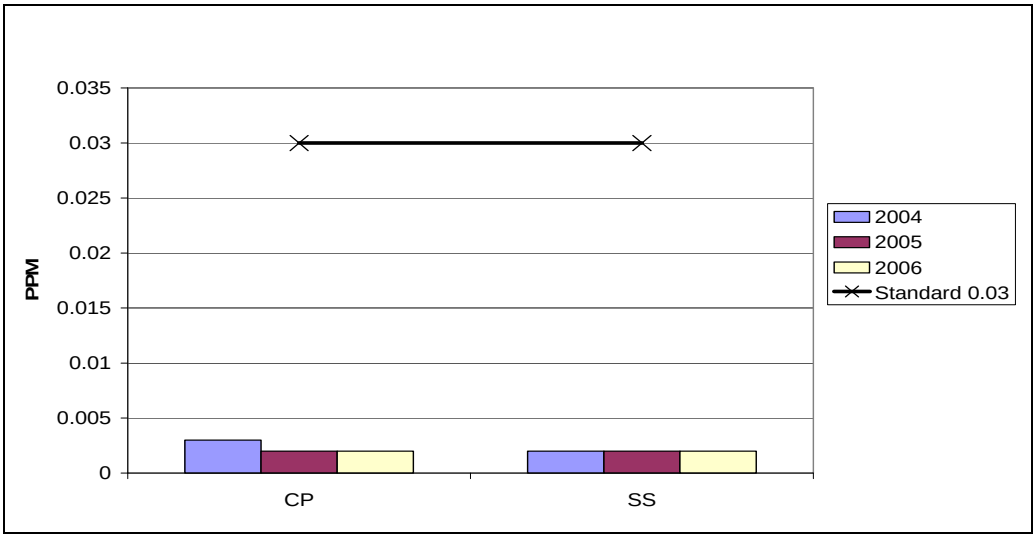


Chart 6 2004-2006 Sulfur Dioxide Annual Average

Special Projects and Network Changes

Air quality issues such as the SIP, natural events policy, and permits for new sources are diverse and controversial subjects for the citizens of Maricopa County. Since no policies can be made without high-quality monitoring data, the MCAQD Air Monitoring Division strives to provide the most reliable and relevant air monitoring data to the public. The following is a list of projects and changes that have occurred during the year 2006.

Seasonal Monitors

MCAQD continues to run some of its carbon monoxide (CO) monitors and ozone (O_3) monitors on a seasonal basis (Table 24). Having part of the network operating seasonally allows the County to upgrade instruments, perform preventive maintenance, extend the life expectancy of the instruments, reduce replacement costs, and better utilize its QA and QC resources on the remaining instruments.

Table 24 Seasonal Monitors

Seasonal Carbon Monoxide Monitors (Operational Sept. 1 – Apr. 1)	Seasonal Ozone Monitors (Operational Apr. 1 – Nov. 1)
Buckeye	Buckeye
Dysart	Cave Creek
Glendale	Dysart
Mesa	Falcon Field
North Phoenix	Glendale
South Phoenix	Humboldt Mountain
South Scottsdale	Rio Verde
Tempe	Tempe
West Chandler	West Chandler

The Consideration of Additional Sites/Monitors

MCAQD continues to evaluate the PM_{10} network for possible additional sites for determining the impact on ambient pollution levels of significant sources or source categories. The significant sources would include industry and agriculture. The allocation of both financial and personnel resources continue to remain significant obstacles to the establishment of new monitoring sites.

New Sites

MCAQD has not started any new sites in 2006, although we are close to finalizing a new site in the Agua Fria riverbed near Sun City. This site should open in the early part of 2007 and will be called the Coyote Lakes site. A new site was planned to be opened in 2006 in the west valley around the junction of Interstate-10 and the Loop-101, but we are still trying to acquire an appropriate location.

Closed Sites/Monitors

MCAQD did not close down any monitors or sites in 2006.

Other Network Changes/Special Projects/Comments

MCAQD continues to participate in the Joint Air Toxic Assessment Project (JATAP) in conjunction with the Arizona Department of Environmental Quality (ADEQ) and Phoenix area Urban Tribal Communities. We have been providing space at our existing sites (South Phoenix, West Phoenix, and Greenwood) for Hazardous Air Pollutants (HAP) monitoring.

ADEQ, in conjunction with MCAQD, has developed a year-round air quality forecasting capability for the Phoenix metropolitan area. ADEQ takes the lead on air quality forecasting and issuing of High Pollution Advisories, while MCAQD provides monitoring data and designates No-Burn Days.

MCAQD is continuing its distribution of air monitoring data to the public by posting one-hour continuous data on the Internet (see "Maricopa County Interactive Pollution Map" section below). Additionally, MCAQD participates in the EPA Ozone Mapping AIRNOW website (see ADDITIONAL COMMENTS). The corresponding websites are as follows:

Maricopa County Air Quality Dept: http://aqwww.maricopa.gov/AirMonitoring/SitePollutionMap.aspx
AIRNOW: http://www.epa.gov/airnow

Mobile Monitoring Program

MCAQD received approval in late 2006 from the Maricopa County Board of Supervisors to start a Mobile Monitoring program. This program will enable MCAQD to do more source-specific air monitoring (as opposed to the ambient monitoring that we only perform now); the ability to track down sources of air pollutants; the ability to collect and analyze hazardous air-pollutant (HAP) samples; and the ability to perform stack testing of permitted sources. The program will be useful for collecting and analyzing scientific data for various projects, including assisting our compliance division in the enforcement of air pollution control regulations.

The planned equipment for the program includes a vehicle outfitted with air monitoring and analytical equipment. Monitoring and sampling equipment will consist of various meteorological, criteria pollutant, and HAP monitors, as well as stack testing equipment. Analytical equipment will include a portable Gas-Chromatograph/Mass Spectrometer (GCMS) and geographical positioning systems. We will be able to use geographical information systems to build geo-referenced models of sampled pollutants.

ADDITIONAL COMMENTS

EPA Ozone Mapping

The AIRNow website (http://www.epa.gov/airnow) provides real-time air pollution (ozone and $PM_{2.5}$) maps for major metropolitan areas around the United States, including the Phoenix Metropolitan Area. MCAQD has participated in the program since 2001.

MCAQD, in cooperation with ADEQ and the Pinal County Air Pollution Control District, has expanded the area that the maps cover. This area now includes sites as far east as Queen Creek, as far south as Casa Grande, and as far west as Palo Verde.

This website can be used as a tool for which the public can plan their daily activities and limit their exposure to air pollution. Eight-hour average peak ozone concentration maps and real-time eight-hour ozone animation maps are provided. Colors on the map indicate different concentrations of ozone pollution. The one-hour average values are given in parts per billion. The eight-hour averages are converted into Air Quality Index (AQI) numbers. The AQI is based on the NAAQS. The index was developed to convert pollution measurements into a common index that the general public can more easily understand.

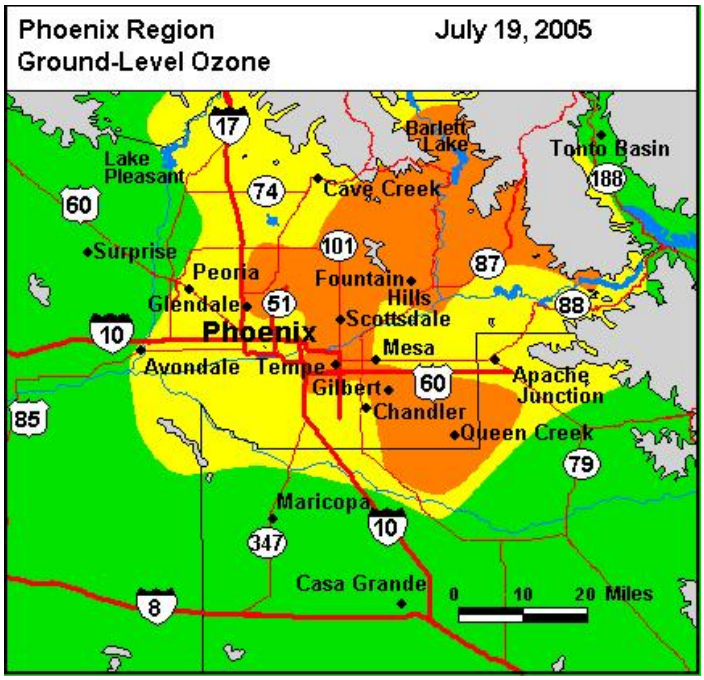


Figure 8 EPA AIRNow Website

Different colors on the map correspond to different categories of air quality and health impacts (Table 25).

Table 25 Air Quality Index

Index	Color Designation	Air Quality	Health Impact
0 – 50	Green	Good	No harmful effects expected.
51 – 100	Yellow	Moderate	Unusually sensitive people should consider limiting prolonged outdoor exertion.
101 – 150	Orange	Unhealthy for Sensitive Groups	Active children & adults, people with respiratory disease (i.e., asthma) should limit prolonged outdoor exertion.
151 – 200	Red	Unhealthy	Everyone should observe caution. Avoid prolonged outdoor exertion.
201 – 300	Purple	Very Unhealthy	Avoid all outdoor exertion. Use extreme caution outdoors
301 – 500	Maroon	Hazardous	Everyone should avoid all outdoor exertion.

The animated map is updated every hour from 8am to 8pm seven days a week. Updates to the site will be made during the ozone season (April through October).

Maricopa County's Interactive Pollution Map

In the spirit of our mission statement of "Protecting our most vital natural resource", MCAQD has brought real-time pollution data to the Internet. All of the MCAQD continuous data is available to the public through an interactive map. The air pollutants that are available include CO, Ozone, NO_2, SO_2, and Particulates. Wind Speed and Direction information is also available. Seasonal monitors are noted on the website and the data display will inform the user which monitors are currently active. Data can be accessed at the web address: http://aqwww.maricopa.gov/AirMonitoring/SitePollutionMap.aspx.

Data is displayed using actual readings, as well as AQI numbers. Relevant rolling averages are also displayed. In addition, a trend chart is provided so that the previous 24-hours can be detailed. On a separate page, a 30-day pollution history is displayed for each site.

One of the major problems in providing "real-time" pollution data to a public medium is providing quality data. The data available on the Internet goes through an automated quality assurance check program before it is released; however, some invalid data can slip through. Normal quality assurance checks take between one and three months. Consequently, information provided at this site should be used for informational purposes only and should not be relied on for comparison with NAAQS.

Figure 9 Interactive Website Data Trends Page

REFERENCES

1. Code of Federal Regulations, Chapter 40, Part 50 and 58, 1997
2. EPA's AirData (AQS) information: http://www.epa.gov/air/data/index.html
3. EPA's NAAQS Info: http://www.epa.gov/air/criteria.html
4. SIP Information: http://www.adeq.state.az.us/environ/air/plan/index.html
5. EPA's Air Program Information: http://www.epa.gov/rgytgrnj/programs/artd/air/quality/quality.htm
6. MCAQD Air Monitoring Map: http://aqwww.maricopa.gov/AirMonitoring/SitePollutionMap.aspx
7. AIRNOW: http://airnow.gov/
8. Criteria Pollutant Information: http://www.epa.gov/air/urbanair/6poll.html
9. MCAQD Prior Network Reviews: http://www.maricopa.gov/aq/divisions/monitoring/network.aspx

APPENDIX I - Monitoring Site Details (Photos and Specific Information)

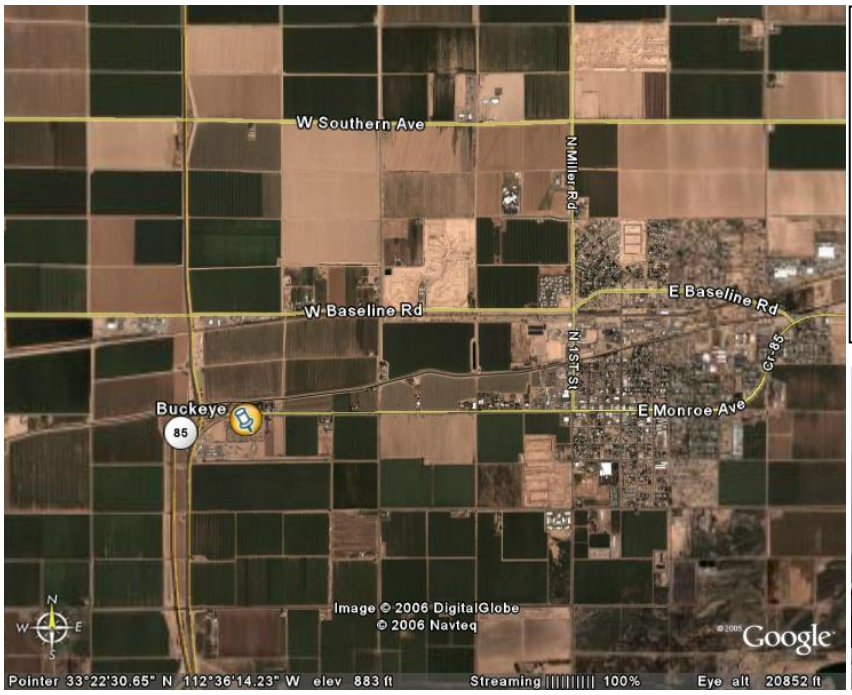
Blue Point (BP) (04-013-9702)
Location: Bush Highway and Usery Pass Rd., Maricopa County
Spatial Scale: Urban
Monitoring Objective: Maximum Ozone Concentration

Maricopa County Blue Point Air Monitoring Site

Site Description: The Blue Point site became operational in July 1995 and is located in a Maricopa County Sheriff's Sub-Station in Tonto National Forest. This site represents the maximum ozone concentration, and urban-scale downwind transport conditions. This site is located approximately 40 miles east of the Phoenix metropolitan area. Ozone is the only criteria pollutant monitored at this SLAMS station. Wind speed and direction are also monitored at the site.

	2004	2005	2006
Max. 8-hr O_3 Avg. (PPM)	0.081	0.089*	.064
O_3 Number of Daily Exceedances >0.085 ppm	0	2	0
O_3 Three year average of 4th High	0.082	0.081	.078

*Indicates an exceedance of the standard.



Buckeye (BE) (04-013-4011)
Location: US 85 & MC 85, Buckeye
Spatial Scale: Neighborhood and Urban (NO2)
Monitoring Objective: Population Exposure and Source Oriented (NO2)

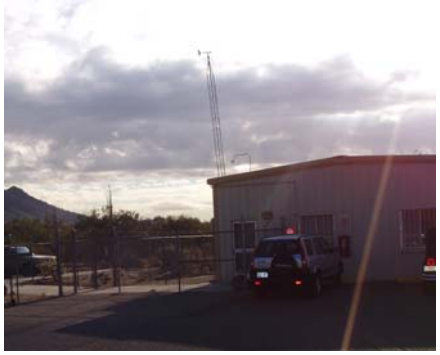
Maricopa County Buckeye Air Monitoring Site

Site Description: The Buckeye site was established on August 1, 2004. This site is a SLAMS location for carbon monoxide, ozone, PM_{10}, and NO_2 criteria pollutants. The site is located in the Maricopa County Department of Transportation Southwest Facility. The immediate area is agriculture and encroaching residential development. The PM_{10} monitor was changed from 1-in-6 day to hourly as of October 1, 2004.

	2004	2005	2006
Max. 8-hr CO Avg. (PPM)	0.5	0.9	0.7
Number exceedances 8-hr CO	0	0	0
Max. 8-hr O_3 Avg. (PPM)	0.068	0.067	.072
O_3 Number of Daily Exceedances >0.085 PPM	0	0	0
O_3 Three year avg. of 4th High	#	#	#
Max. 24-hr PM_{10} Avg. ($\mu g/m^3$)	82‡	169*	272*
Number exceedances 24-hr PM_{10}	1	2	3
Annual PM_{10} Avg. ($\mu g/m^3$)	#	53*	53.2
Annual NO_2 Avg. (PPM)	#	.0119	.0111

*Indicates an exceedance of the standard.
# Indicates <75% data recovery.
‡ Indicates Exceptional Events at this site. Listed value is the highest official reading.

Cave Creek (CC)
(04-013-4008)
Location: 32nd St. & Carefree Highway, Cave Creek
Spatial Scale: Urban
Monitoring Objective: Maximum Ozone Concentration

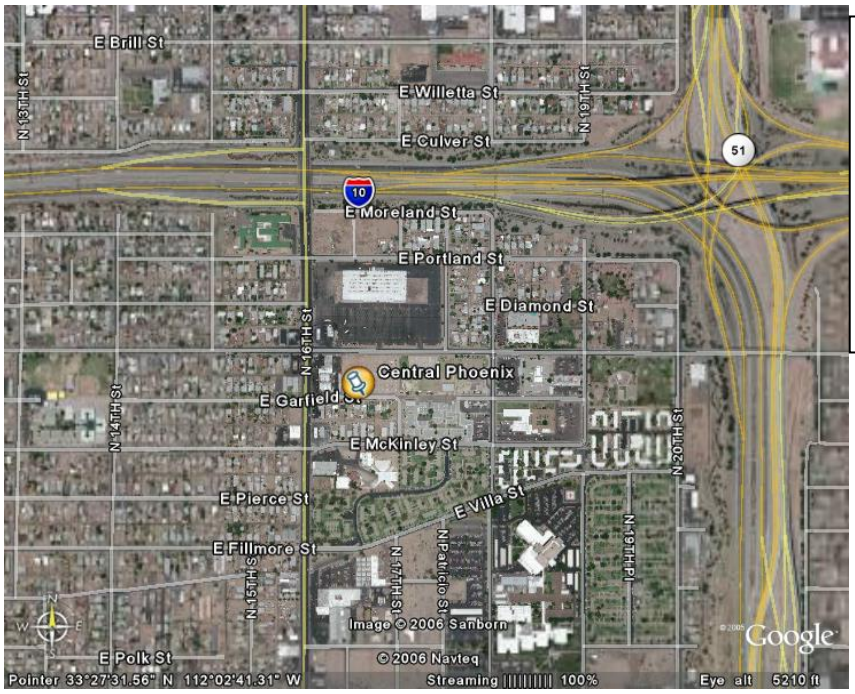


Maricopa County Cave Creek Air Monitoring Site

Site Description: The Cave Creek site became operational in August 2001 and is located in the Maricopa County Cave Creek Recreation Area (Park Office). This site was chosen through discussions on modifying the ozone network for the new 8-hr ozone standard. Ozone is the only criteria pollutant monitored at this SLAMS station. Wind speed and direction are also monitored at the site.

	2004	2005	2006
Max. 8-hr O_3 Avg. (PPM)	0.079	0.084	.088*
O_3 Number of Daily Exceedances >0.085	0	0	1
Three year avg. of 4th High	0.081	0.080	0.079

*Indicates an exceedance of the standard.



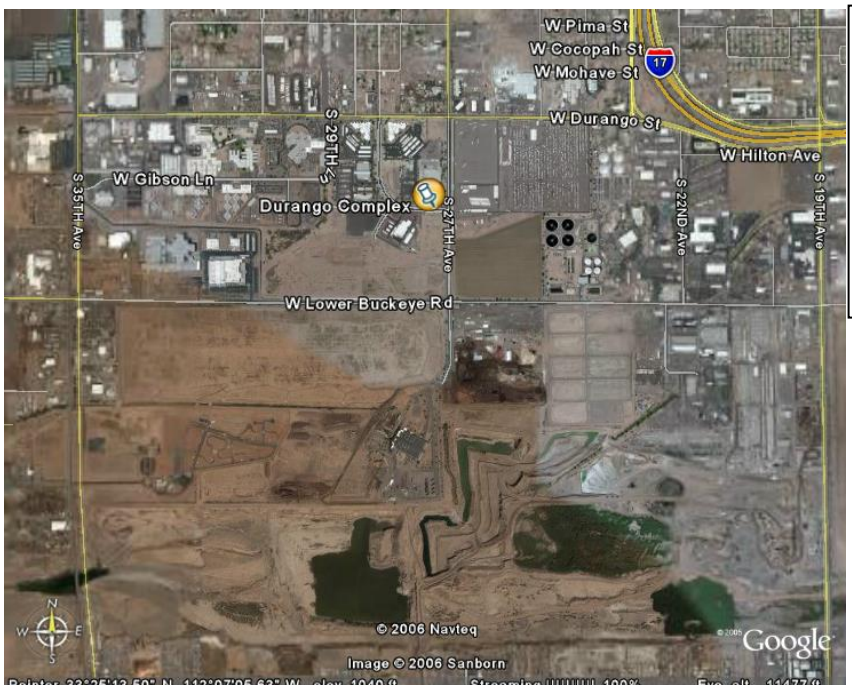
Central Phoenix (CP)
(04-013-3002)
Location: 19th St. and Roosevelt
Spatial Scale: Neighborhood
Monitoring Objective: High Population Exposure and Highest Concentration (NO2 and SO2)

Maricopa County Central Phoenix Air Monitoring Site

Site Description: The Central Phoenix site has been in existence for over four decades and has provided a long-term historical database with a high rate of data recovery. The site is representative of high population exposure (greater than 5000 people per square mile) in the central Phoenix area. This site is a SLAMS location for carbon monoxide, ozone, PM_{10}, SO_2 and NO_2 criteria pollutants.

	2004	2005	2006
Max. 8-hr CO Avg. (PPM)	3.4	4.1	3.8
Number exceedances 8-hr CO	0	0	0
Max. 8-hr O_3 Avg. (PPM)	.078	.081	.089*
O_3 Number of Daily Exceedances >0.085	0	0	1
O_3 Three year avg. of 4th High	.076	.077	.076
Max. 24-hr PM_{10} Avg. Continuous ($\mu g/m^3$)	94	116	134
Number exceedances Continuous 24-hr PM_{10}	0	0	0
Annual PM_{10} Avg. Continuous ($\mu g/m^3$)	37	37	42.0
Annual NO_2 Avg. (PPM)	0.025	0.0262	.0251
Max. 24-hr SO_2 Avg. (PPM)	.008	.008	.007
Number of Exceedances	0	0	0
Annual SO_2 Avg. (PPM)	.003	.0021	.0021

*Indicates an exceedance of the standard.



Durango Complex (DC)
(04-013-9812)
Location: 27th Ave and Durango St.
Spatial Scale: Middle
Monitoring Objective: Highest Concentration

Maricopa County Durango Complex Air Monitoring Site

Site Description: This site is located one mile northwest from the former Salt River site in the Maricopa County Flood Control District storage yard. Sampling began on January 6, 1999 with the intent to replace the Salt River site. However, in 2000 the USEPA determined that the site is not equivalent to the Salt River site. Continuous particulate monitors (SLAMS PM_{10} and $PM_{2.5}$) are located at this site. Note that the $PM_{2.5}$ monitor located at this site is a continuous FDMS-TEOM monitor, which is not a federal reference method monitor. $PM_{2.5}$ data from this site is not used to determine compliance with the NAAQS. There are also weather monitors (wind speed/direction and atmospheric pressure) located at the site.

	2004	2005	2006
Max. 24-hr PM_{10} Avg. ($\mu g/m^3$)	139‡	206*	240*‡
Number exceedances 24-hr PM_{10}	0	13	9
Annual PM_{10} Avg. ($\mu g/m^3$)	52*‡	66*	69.2‡
Max. 24-hr $PM_{2.5}$ Avg. ($\mu g/m^3$)	Not Monitored	#	68.17
Annual $PM_{2.5}$ Avg. ($\mu g/m^3$)	Not Monitored	#	15.1

*Indicates an exceedance of the standard.
#Indicates <75% data recovery.
‡ Indicates Exceptional Events at this site. Listed value is the highest official reading.

Dysart (DY) (04-013-4010)
Location: Bell Rd. & Dysart Rd., Surprise
Spatial Scale: Neighborhood
Monitoring Objective: Population Exposure

Maricopa County Dysart Air Monitoring Site

Site Description: The Dysart site was established in July 2003. It is located at the Maricopa County Facility Maintenance Yard at the corner of Bell Rd. and Dysart Rd. The site is in a growing population area in the north-west valley. The land use around the site consists of subdivisions of single family homes, commercial, and industrial. The site is approx. one mile west of the Agua Fria riverbed. Seasonal carbon monoxide, seasonal ozone, and PM_{10} (all SLAMS) are the criteria pollutants monitored at this station.

	2004	2005	2006
Max. 8-hr CO Avg. (PPM)	1.1	1.3	0.9
Number exceedances 8-hr CO	0	0	0
Max. 8-hr O_3 Avg. (PPM)	0.074	0.073	.079
Number of Daily Exceedances >0.085 PPM	0	0	0
Three year avg. of 4th High	#	#	#
Max. 24-hr PM_{10} Avg. ($\mu g/m^3$)	94	76	67
Number exceedances 24-hr PM_{10}	0	0	0
Annual PM_{10} Avg. ($\mu g/m^3$)	27	29	32.3

# Indicates <75% data recovery rate.

Falcon Field (FF)
(04-013-1010)
Location: Greenfield and McKellips
Spatial Scale: Neighborhood
Monitoring Objective: Population Exposure

Maricopa County Falcon Field Air Monitoring Site

Site Description: Ozone is the seasonal SLAMS criteria pollutant monitored at this station. Monitoring began in June of 1989. The site is located near an airfield in a fire station within a growing residential area.

	2004	2005	2006
Max. 8-hr O_3 Avg. (PPM)	0.077	0.081	.085*
Number of Daily Exceedances >0.085 PPM	0	0	1
Three year avg. of 4th High	0.077	0.075	0.075

*Indicates an exceedance of the standard.

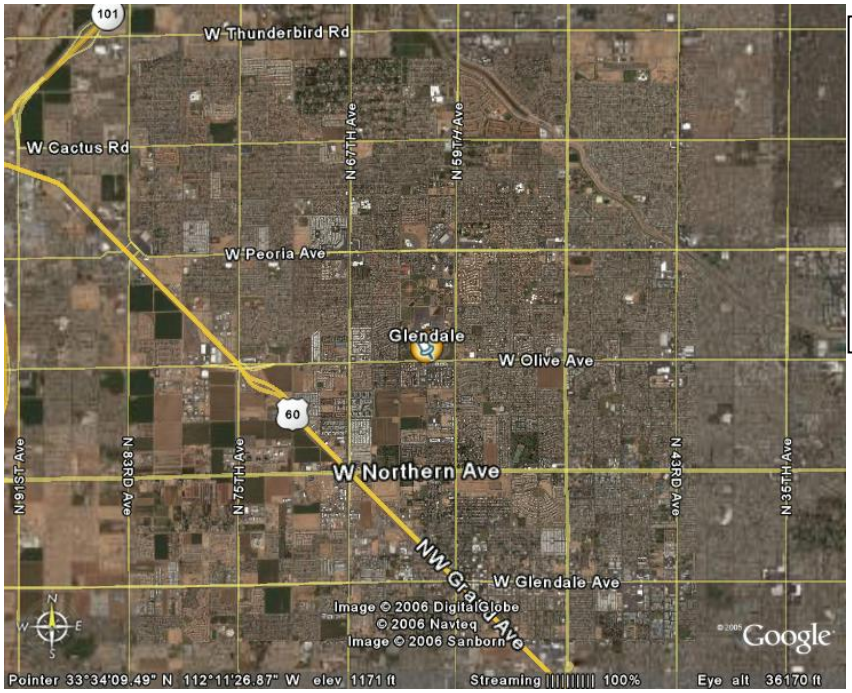
Fountain Hills (FH)
(04-013-9704)
Location: Fountain Hills Blvd. and Palisades Blvd.
Spatial Scale: Neighborhood
Monitoring Objective: Maximum Ozone Concentrations

Maricopa County Fountain Hills Air Monitoring Site

Site Description: The site is located at a Fountain Hills fire station. This site became operational in April of 1996. The site monitors ozone (SLAMS) and wind speed and direction. The site is located approximately 15 miles downwind from the Phoenix metropolitan area. This site represents the high downwind concentrations on the fringes of the central basin district along the predominant summer/fall daytime wind direction.

	2004	2005	2006
Max. 8-hr O_3 Avg. (PPM)	0.077	0.096*	0.089*
Number of Daily Exceedances >0.085 PPM	0	6	3
Three year avg. of 4th High	0.081	0.082	0.082

* Indicates an exceedance of the standard.



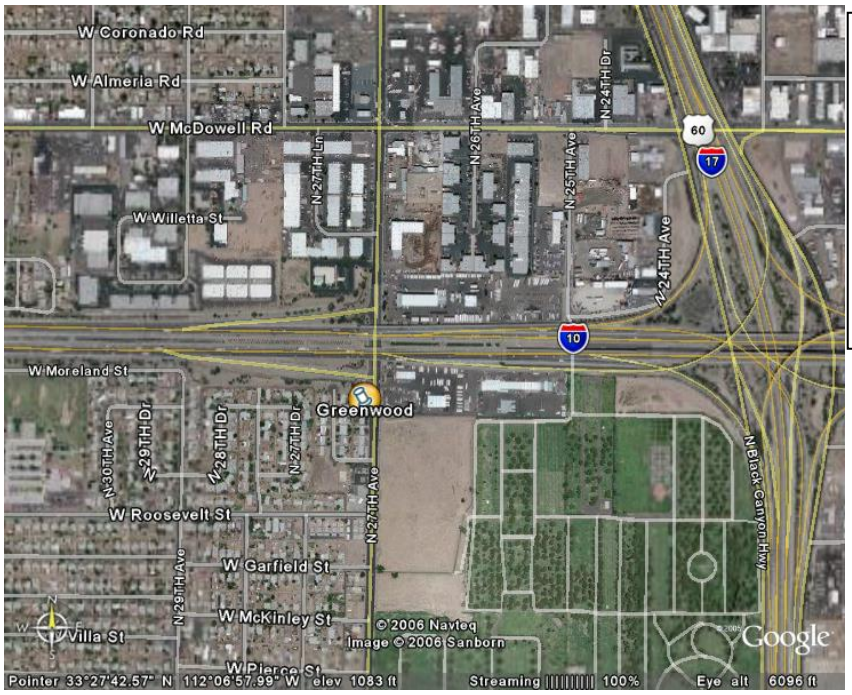
Glendale (GL) (04-013-2001)
Location: 59th Ave. and Olive Ave.
Spatial Scale: Neighborhood
Monitoring Objective: Population Exposure

Maricopa County Glendale Air Monitoring Site

Site Description: The Glendale site was established over three decades ago and is located on the grounds of Glendale Community College in a populous residential area. Homes, various strip malls, food establishments, and parks surround the site. Seasonal carbon monoxide, Seasonal Ozone, and PM_{10} (all SLAMS) are the criteria pollutants monitored at this station.

	2004	2005	2006
Max. 8-hr CO Avg. (PPM)	2.4	2.4	1.9
Number exceedances 8-hr CO	0	0	0
Max. 8-hr O_3 Avg. (PPM)	0.082	0.078	.084
Number of Daily Exceedances >0.085 PPM	0	0	0
Three year avg. of 4th High	0.081	0.079	.076
Max. 24-hr PM_{10} Avg. ($\mu g/m^3$)	69	84	60
Number exceedances 24-hr PM_{10}	0	0	0
Annual PM_{10} Avg. ($\mu g/m^3$)	26	29	36.3#

# Indicates <75% data recovery rate.



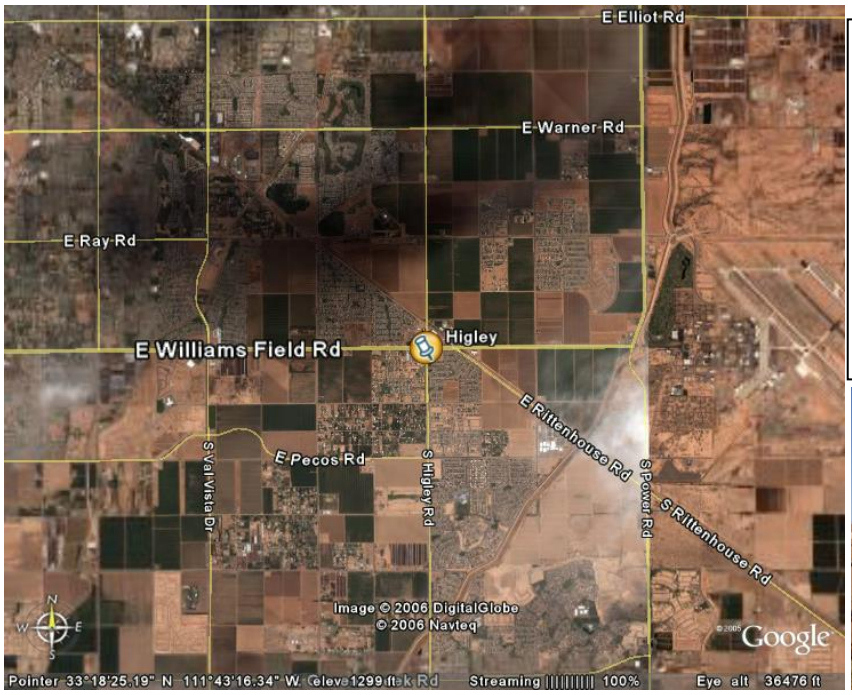
Greenwood (GR)
(04-013-3010)
Location: 27th Ave. and I-10, Phoenix
Spatial Scale: Middle
Monitoring Objective: Population Exposure

Maricopa County Greenwood Air Monitoring Site

Site Description: Monitoring began at this site in December 1993. The station is bordered on the north by Interstate 10, on the west and south by neighborhood homes, and to the east by Greenwood Cemetery. Interstate 17 is approximately one mile to the east of the site. Carbon monoxide, NO_2, and PM_{10} are the criteria pollutants monitored at this SLAMS facility. This site was converted to continuous PM_{10} monitoring in the beginning of 2006.

	2004	2005	2006
Max. 8-hr CO Avg. (PPM)	4.9	4.2	3.6
Number exceedances 8-hr CO	0	0	0
Max. 24-hr PM_{10} Avg. ($\mu g/m^3$)	100	173*	166*
Number exceedances 24-hr PM_{10}	0	1	1
Annual PM_{10} Avg. ($\mu g/m^3$)	44	52*	51.7
Annual NO_2 Avg. (PPM)	0.031	0.0315	0.0306

* Indicates an exceedance of the standard.



Higley (HI) (04-013-4006)
Location: Higley Rd. and Williams Field Rd., Gilbert
Spatial Scale: Neighborhood
Monitoring Objective: Population Exposure

Maricopa County Higley Air Monitoring Site

Site Description: Originally, in 1994, ADEQ set up this site to monitor for background particulate concentrations near the urban limits of Maricopa County. Since then, urban expansion has enveloped the site, so it no longer serves its original intended purpose. MCAQD installed a (1-in-6 day) PM_{10} (SLAMS) in the second quarter of 2000. The data from this site was compared to the Chandler site and was found to be comparable. Since the City of Chandler requested that MCAQD remove the Chandler site on 12/31/05, this site has taken over the role of that site. As of October 2004 the 1-in-6 day PM_{10} monitor was replaced with an hourly continuous PM_{10} monitor in accordance with 40 CFR 50, Appendix K. This continuous monitor samples on the neighborhood scale with a monitoring objective of high population exposure.

	2004	2005	2006
Max. 24-hr PM_{10} Avg. ($\mu g/m^3$)	159*‡	142	177‡
Number exceedances 24-hr PM_{10}	1	0	2
Annual PM_{10} Avg. ($\mu g/m^3$)	55*‡	51.4*	60.6‡

* Indicates an exceedance of the standard.
‡ Indicates Exceptional Events at this site. Listed value is the highest official reading.

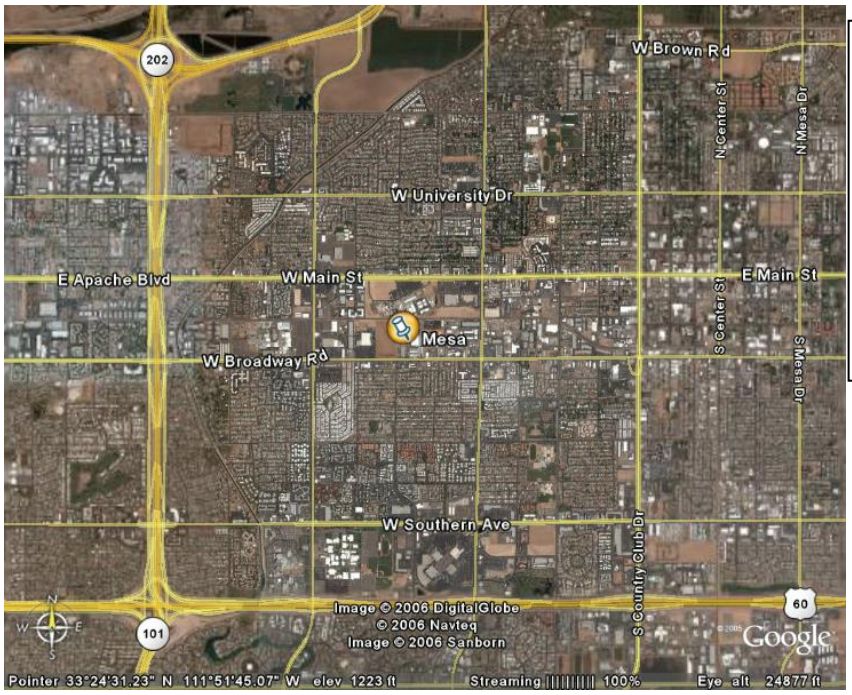
Humboldt Mountain (HM)
(04-013-9508)
Location: Humboldt Mountain Summit
Spatial Scale: Regional
Monitoring Objective: Maximum Ozone Concentrations

Maricopa County Humboldt Mountain Air Monitoring Site

Site Description: This site became operational in August 1995. The Humboldt Mountain site is located on Federal Aviation Agency property, in a National Forest Service building in the Tonto National Forest. This site is located approximately 40 miles north-northeast of the Phoenix metropolitan area at an elevation of 5230 feet. Ozone is the only criteria pollutant that is monitored at this seasonal SLAMS site.

	2004	2005	2006
Max. 8-hr O_3 Avg. (PPM)	0.081	0.088*	.084
Number of Daily Exceedances >0.085 PPM	0	5	0
Three year avg. of 4th High	0.085†	0.084	.081

* Indicates an exceedance of the standard.
† Indicates a violation of the standard.



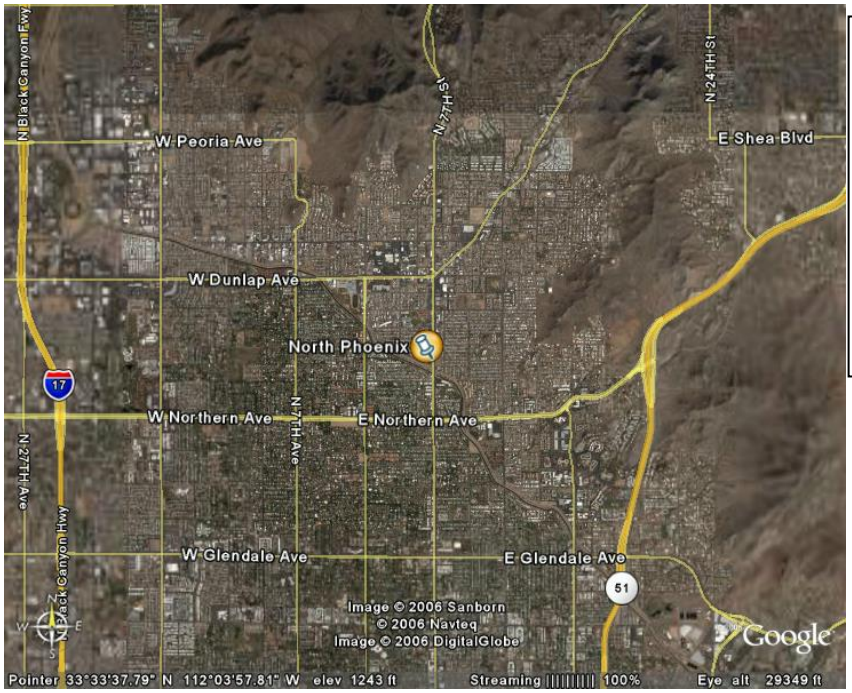
Mesa (ME) (04-013-1003)
Location: Broadway Rd. and Brooks Ave.
Spatial Scale: Neighborhood
Monitoring Objective: Population Exposure

Maricopa County Mesa Air Monitoring Site

Site Description: This site is located at Brooks Reservoir at the western edge of the city near the Tempe border. It is centered in an area that contains residential, industrial, and a small amount of agricultural activity. An open field borders the site on the west with commercial development to the north, and light industry east and south of the site. Carbon monoxide, $PM_{2.5}$, and PM_{10} are the criteria pollutants monitored at this SLAMS site. MCAQD started operation of the $PM_{2.5}$ Federal Reference Method monitor in May 2005.

	2004	2005	2006
Max. 8-hr CO Avg. (PPM)	1.7	2.4	2.8
Number exceedances 8-hr CO	0	0	0
Max. 24-hr PM_{10} Avg. ($\mu g/m^3$)	49	86	75
Number exceedances 24-hr PM_{10}	0	0	0
Annual PM_{10} Avg. ($\mu g/m^3$)	23	30	30.5
Max. 24-hr $PM_{2.5}$ Avg. ($\mu g/m^3$)	Not Operating	17.8	29.1
Number of Daily Exceedances	Not Operating	0	0
Annual $PM_{2.5}$ Avg. ($\mu g/m^3$)	Not Operating	8.51#	9.66

# Indicates <75% data completeness.



North Phoenix (NP) (04-013-1004)
Location: 7th St. and Butler Ave.
Spatial Scale: Neighborhood
Monitoring Objective: Population Exposure

Maricopa County North Phoenix Air Monitoring Site

Site Description: This site is located in the Sunnyslope area of North Phoenix. Sunnyslope is an old established neighborhood, primarily residential. High-density population surrounds the site. CO, ozone, and PM_{10} (all SLAMS) are monitored at this site, along with delta temperature (temperature inversion).

	2004	2005	2006
Max. 8-hr CO Avg. (PPM)	2.2	2.3	2.0
Number exceedances 8-hr CO	0	0	0
Max. 8-hr O_3 Avg. (PPM)	0.087*	0.089*	0.094*
Number of Daily Exceedances >0.085	1	3	4
Three year Avg. of 4th High	0.082	0.082	0.083
Max. 24-hr PM_{10} Avg. ($\mu g/m^3$)	46	81	79
Number exceedances 24-hr PM_{10}	0	0	0
Annual PM_{10} Avg. ($\mu g/m^3$)	25	30	34.4

* Indicates an exceedance of the standard.

Pinnacle Peak (PP)
(04-013-2005)
Location: Pima Rd & Pinnacle Peak
Spatial Scale: Urban
Monitoring Objective: Maximum Ozone Concentrations

Maricopa County Pinnacle Peak Air Monitoring Site

Site Description: This SLAMS site for ozone is located at a golf course country club and is surrounded by residential homes. It is located in a geographic area of low-density population (less than 2500 people per square mile). In previous years, ozone exceedances have been recorded due to transport of ozone and precursors from more urbanized areas of metropolitan Phoenix.

	2004	2005	2006
Max. 8-hr O_3 Avg. (PPM)	0.071	0.085*	0.082
Number of Daily Exceedances >0.085	0	1	0
Three year Avg. of 4th High	0.078	0.078	0.075

* Indicates an exceedance of the standard

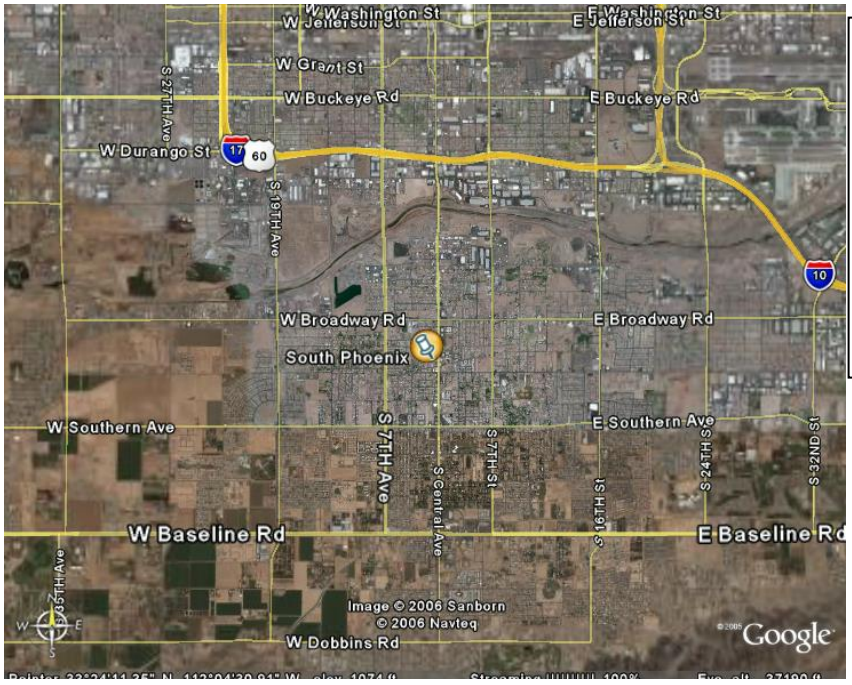
Rio Verde (RV) (04-013-9706)
Location: Forest Rd. and Del Ray Ave.
Spatial Scale: Urban
Monitoring Objective: Maximum Ozone Concentrations

Maricopa County Rio Verde Air Monitoring Site

Site description: This seasonal ozone site became operational in spring of 1997. The monitor is located at the fire station / County Sheriff's office sub-station located in a residential area surrounded by the desert of Tonto National Forest. The site is eight miles north of the Fountain Hills SLAMS station, on the edge of a Class I Wilderness Area.

	2004	2005	2006
Max. 8-hr O_3 Avg. (PPM)	0.083	0.093*	0.086*
Number of Daily Exceedances >0.085	0	6	1
Three year Avg. of 4th High	0.077	0.079	0.081

* Indicates an exceedance of the standard



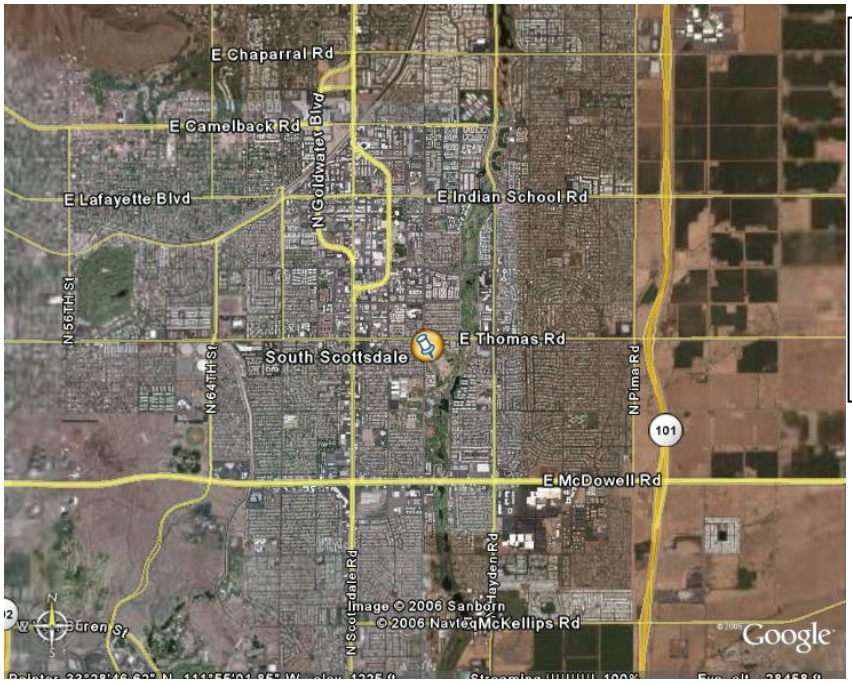
South Phoenix (SP)
(04-013-4003)
Location: Central Ave. and Broadway Rd.
Spatial Scale: Neighborhood
Monitoring Objective: Population Exposure

Maricopa County South Phoenix Air Monitoring Site

Site Description: The site was opened at its current location in October 1999. The site is at the edge of a high population area, but also borders on a mixture of residential and commercial (retail stores, food establishments, and office parks) land use. The station has two high population areas (>5000 people per square miles) north and west of the site. Carbon monoxide, ozone, and PM_{10} (all SLAMS) are the criteria pollutants monitored at this station. MCAQD started operation of a $PM_{2.5}$ Federal Reference Monitor in May 2005.

	2004	2005	2006
Max. 8-hr CO Avg. (PPM)	3.5	3.8	3.2
Number exceedances 8-hr CO	0	0	0
Max. 8-hr O_3 Avg. (PPM)	0.079	0.081	0.075
Number of Daily Exceedances >0.085	0	0	0
Three year Avg. of 4th High	0.076	0.075	0.072
Max. 24-hr PM_{10} Avg. ($\mu g/m^3$)	132	147	132
Number exceedances 24-hr PM_{10}	0	0	0
Annual PM_{10} Avg. ($\mu g/m^3$)	46	55*	55.0
Max. 24-hr $PM_{2.5}$ Avg. ($\mu g/m^3$)	Not Operating	56.7	76.2
Number of Daily Exceedances	Not Operating	0	2
Annual $PM_{2.5}$ Avg. ($\mu g/m^3$)	Not Operating	11.46	12.69

* Indicates an exceedance of the standard.



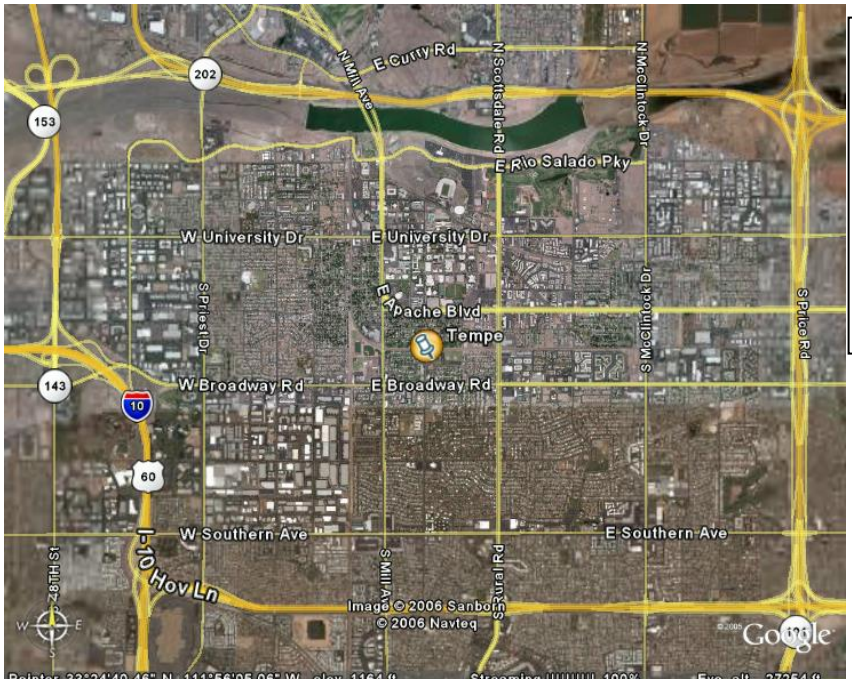
South Scottsdale (SS)
(04-013-3003)
Location: Thomas Rd. and Miller Rd.
Spatial Scale: Neighborhood, Urban (NO2)
Monitoring Objective: Population Exposure

Maricopa County South Scottsdale Air Monitoring Site

Site Description: The South Scottsdale site is located at a City of Scottsdale Fire Station. The area surrounding the site is residential with a density of 2500 to 5000 persons per square mile. This site is located 12 miles east of metropolitan Central Phoenix. Carbon monoxide, ozone**,** NO_2, SO_2, and PM_{10} (all SLAMS) are the criteria pollutants monitored at this station.

	2004	2005	2006
Max. 8-hr CO Avg. (PPM)	2.4	2.4	2.1
Number exceedances 8-hr CO	0	0	0
Max. 8-hr O_3 Avg. (PPM)	0.081	0.089*	0.086*
Number of Daily Exceedances >0.085	0	1	1
Three year Avg. of 4th High	0.077	0.076	0.076
Max. 24-hr PM_{10} Avg. ($\mu g/m^3$)	77	121	134
Number exceedances 24-hr PM_{10}	0	0	0
Annual PM_{10} Avg. ($\mu g/m^3$)	26	34	32.9
Annual NO_2 Avg. (PPM)	0.019	0.0196	0.0192
Max. 24-hr SO_2 Avg. (PPM)	0.006	0.006	0.007
Number of Exceedances	0	0	0
Annual SO_2 Avg. (PPM)	0.002	0.0017	0.0021

* Indicates an exceedance of the standard.



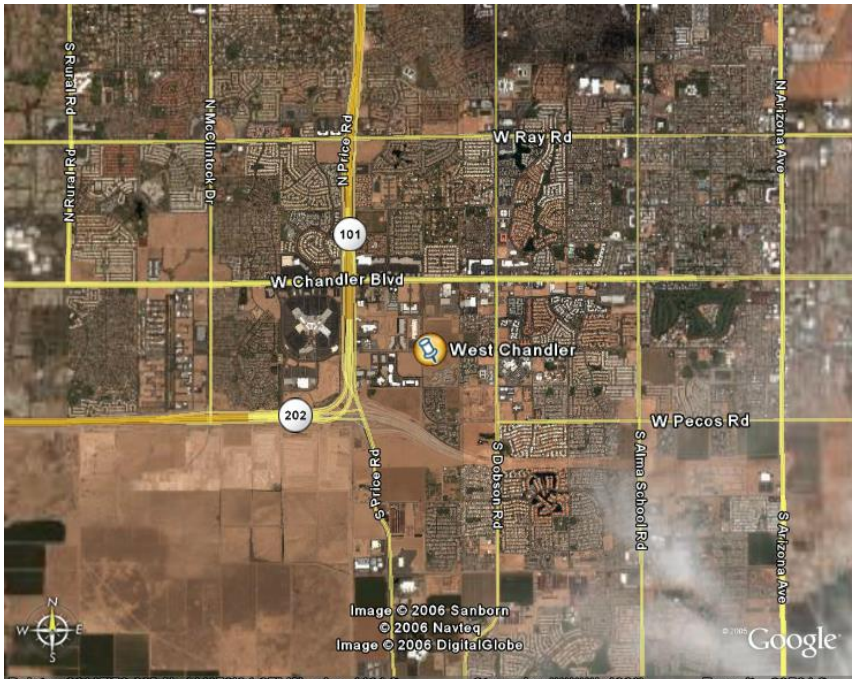
Tempe (TE) (04-013-4005)
Location: Apache Blvd. & College Ave.
Spatial Scale: Neighborhood
Monitoring Objective: Population Exposure

Maricopa County Tempe Air Monitoring Site

Site Description: The site was established in 2000. The site was established to fill in a spatial gap between the metropolitan Phoenix area and the city of Mesa. Ozone and carbon monoxide (both SLAMS) are monitored at the site.

	2004	**2005**	**2006**
Max. 8-hr CO Avg. (PPM)	1.9	2.6	2.5
Number exceedances 8-hr CO	0	0	0
Max. 8-hr O_3 Avg. (PPM)	0.078	0.086*	0.087*
Number of Daily Exceedances >0.085	0	1	1
Three year Avg. of 4th High	0.077	0.076	0.075

* Indicates an exceedance of standard.



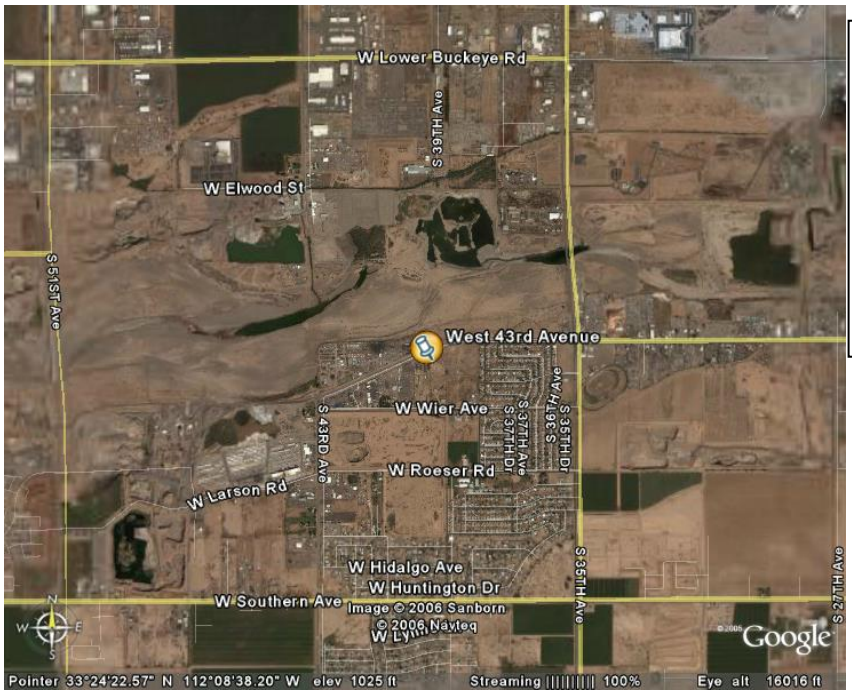
West Chandler (WC)
(04-013-4004)
Location: Frye Rd. and Ellis St.
Spatial Scale: Neighborhood, Middle (PM-10)
Monitoring Objective: Population Exposure

Maricopa County West Chandler Air Monitoring Site

Site Description: This site was first established in January 1995. The site was moved one half mile to the southeast in May 2000. A wide range of land uses surround the site including residential, agriculture, and heavy industry (semiconductor manufacturing plants and liquid air storage). Carbon monoxide, ozone, and PM_{10} are the criteria pollutants monitored at this SLAMS site.

	2004	**2005**	**2006**
Max. 8-hr CO Avg. (PPM)	2.1	2.4	2.2
Number exceedances 8-hr CO	0	0	0
Max. 8-hr O_3 Avg. (PPM)	0.073	0.082	.089*
Number of Daily Exceedances >0.085	0	0	2
Three year Avg. of 4th High	0.077	0.076	0.075
Max. 24-hr PM_{10} Avg. ($\mu g/m^3$)	70	94	77
Number exceedances 24-hr PM_{10}	0	0	0
Annual PM_{10} Avg. ($\mu g/m^3$)	30	34	33.3

* Indicates an exceedance of the standard.



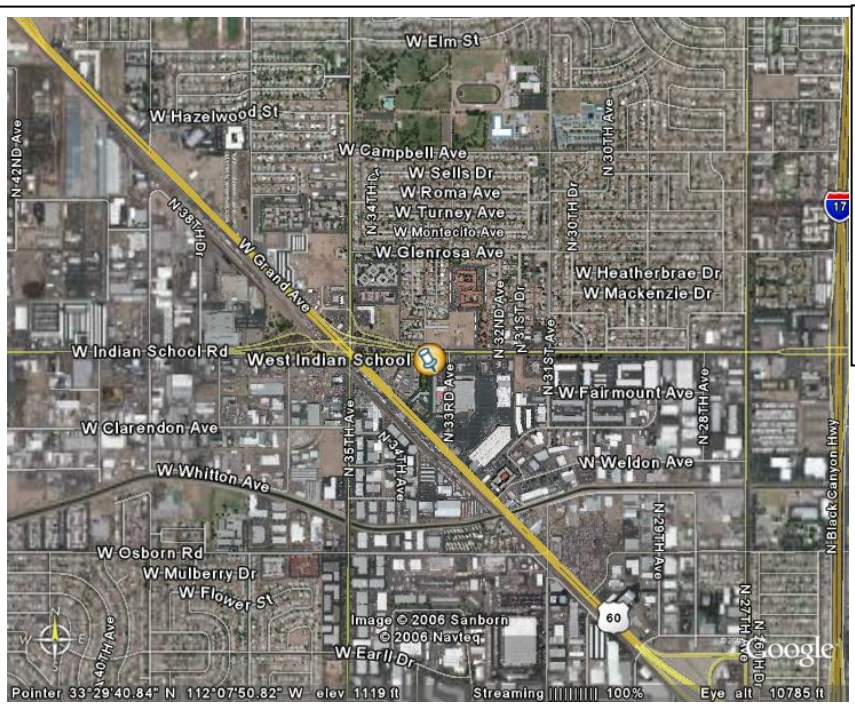
West 43rd Avenue (WF)
(04-013-4009)
Location: 43rd Ave. & Broadway Rd.
Spatial Scale: Middle
Monitoring Objective: Highest Concentrations

Maricopa County West 43rd Avenue Air Monitoring Site

Site Description: Monitoring began at the site in the 2nd quarter of 2002. This site is located at a Maricopa County Department of Transportation storage lot. The site is surrounded by a combination of heavy industry and residential homes. The site has one continuous TEOM PM_{10} monitor and a temperature inversion monitor. The main purpose of the monitor is to measure maximum concentration PM_{10} and to determine the impact on ambient pollution levels of significant sources or source categories. The sources around the site include sand and gravel operations, auto and metal recycling, landfills, paved and unpaved haul roads, and cement casting.

	2004	2005	2006
Max. 24-hr PM_{10} Avg. ($\mu g/m^3$)	251*‡	233*	260*‡
Number exceedances 24-hr PM_{10}	1	13	18
Annual PM_{10} Avg. ($\mu g/m^3$)	61*‡	74*	79.9‡

* Indicates an exceedance of the standard.
‡ Indicates Exceptional Events at this site. Listed value is the highest official reading.

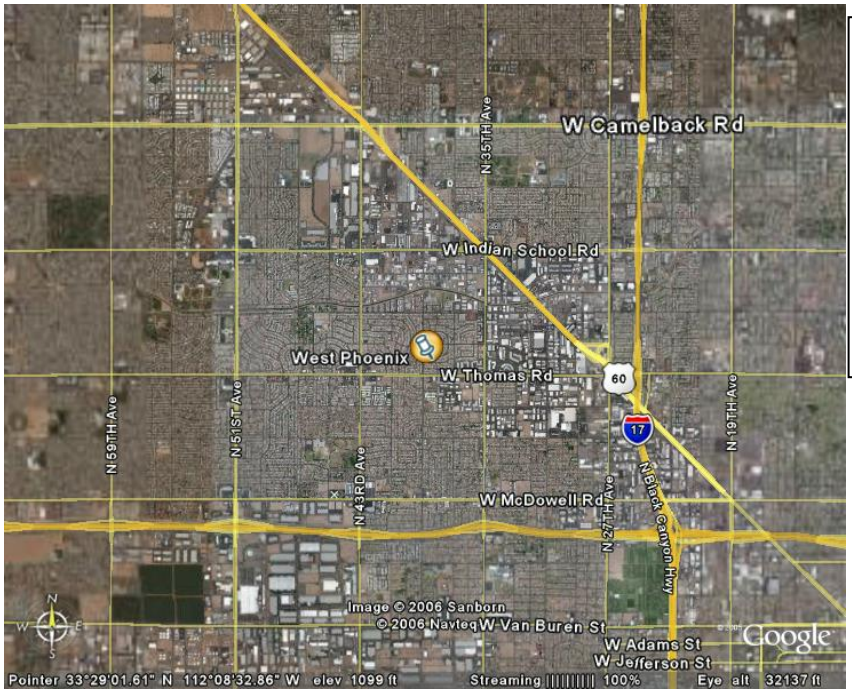


West Indian School Rd. (WI)
(04-013-0016)
Location: 33rd Ave. and Indian School Rd.
Spatial Scale: Microscale
Monitoring Objective: Highest Concentrations

Maricopa County West Indian School Road Air Monitoring Site

Site Description: This site is located at the City of Phoenix Firefighter Training Center. This site was opened in December 1980 and is used to monitor micro-scale maximum concentrations and is based on high vehicular traffic. The Average Weekday Traffic (AWT) volume past this location on Indian School Road is estimated to be approximately 55,000 vehicles/day. The site is also in close proximity to Grand Ave. and 35th Ave., which have AWT volumes of about 35,000 vehicles/day. Carbon monoxide is monitored at this SLAMS site. There is current discussion regarding closing this site. The data collected at this site is very similar to that collected at the nearby West Phoenix site, which is neighborhood scale and just under 2 kilometers away. This implies that this micro-scale site is no longer necessary as this area is representative of the other neighborhood scale site.

	2004	2005	2006
Max. 8-hr CO Avg. (PPM)	4.7	5.3	5.3
Number exceedances 8-hr CO	0	0	0



West Phoenix (WP)
(04-013-0019)
Location: 39th Ave. and Earll Dr.
Spatial Scale: Neighborhood
Monitoring Objective: Population Exposure, Highest Concentration ($PM_{2.5}$)

Maricopa County West Phoenix Air Monitoring Site

Site Description: This site became operational in 1984. It is located about one-mile southwest of the West Indian School Road micro-scale CO monitor. The spatial scale for the West Phoenix site is neighborhood. It is located in an area of stable, high-density residential population. Carbon monoxide, PM_{10}, ozone, and NO_2 (All SLAMS) are the criteria pollutants monitored at this site. MCAQD also operates collocated $PM_{2.5}$ FRM monitors and a continuous $PM_{2.5}$ FEM (SLAMS) at this site.

	2004	2005	2006
Max. 8-hr CO Avg. (PPM)	5.2	5.8	5.0
Number exceedances 8-hr CO	0	0	0
Max. 8-hr O_3 Avg. (PPM)	0.080	0.072	0.096*
Number of Daily Exceedances >0.085	0	0	3
Three year Avg. of 4th High	0.077	0.072	0.074
Max. 24-hr PM_{10} Avg. ($\mu g/m^3$)	100	155*	147
Number exceedances 24-hr PM_{10}	0	1	0
Annual PM_{10} Avg. ($\mu g/m^3$)	37	45	49.8
Max. 24-hr $PM_{2.5}$ Avg. ($\mu g/m^3$)	35.2	39.2	76.7*
Number of Daily Exceedances	0	0	2
Annual $PM_{2.5}$ Avg. ($\mu g/m^3$)	11.60	11.08	13.52
Annual NO_2 Avg. (PPM)	0.024	0.0235	0.0238

* Indicates an exceedance of the standard.

APPENDIX II - EPA REQUIRED DATA

Details compliance with requirements of 40CFR58 §58.10 and Appendices A, C, D, and E

Required General Information on Monitoring Network

Pollutant	MSA	MSA Population*	Design Value	#Monitors Required	#Monitors Operating**
Carbon Monoxide	6200 Phoenix-Mesa	3,251,876	1-Hour: 7.7 ppm 8-Hour: 4.6 ppm	0	13
Ozone	6200 Phoenix-Mesa	3,251,876	0.083 ppm	2	17
Nitrogen Dioxide	6200 Phoenix-Mesa	3,251,876	0.031 ppm	0	5
$PM_{2.5}$	6200 Phoenix-Mesa	3,251,876	24-hour: 33.07 $\mu g/m^3$ Annual: 12.68 $\mu g/m^3$	3	3
$PM_{2.5}$ Continuous Monitors	6200 Phoenix-Mesa	3,251,876	N/A	2	2
PM_{10}	6200 Phoenix-Mesa	3,251,876	272 $\mu g/m^3$	6-10	16
Sulfur Dioxide	6200 Phoenix-Mesa	3,251,876	3-hour: 0.013 ppm 24-hour: 0.007 ppm Annual: 0.0021 ppm	0	2

*Based on the 2000 United States census.
**Only includes monitors operated by MCAQD; does not include monitors operated by other agencies within the MSA.

Required General Statement Regarding Changes to the $PM_{2.5}$ Network

In the event that MCAQD needed to move or change a violating $PM_{2.5}$ monitor the following procedure would be followed: MCAQD would hold a public hearing regarding the requested change. Details and documentation of the requested change, as well as all public comments, would then be forwarded to the EPA for approval. Any action on MCAQD's part will be dependent on EPA approval.

Please note that the previous statement is general in nature and is required to be placed in the annual network review by 40CFR58. MCAQD does not currently have any violating $PM_{2.5}$ monitors, nor do we have any proposals to move any $PM_{2.5}$ monitors.

Notes regarding appendix data

Analysis Method refers to the method used to process filter-based particulate samples.

Distance from Supporting Structure refers to those sample probes that are attached to a supporting structure, such as the side of a building. In most cases the sample probe is located above the supporting structure, in which case the entry will say N/A.

Distance from Obstructions refers to those obstructions, both on the roof and off the roof, which are located higher than the probe. In the case of a nearby obstruction being higher than the probe, details of its location will be listed in the entry. If there are no obstructions higher than the probe, then the entry will be N/A.

BLUE POINT
County ID: BP
AQS ID: 04-013-9702
Address: Bush Highway & Usery Pass Road, Maricopa County
Coordinates: 33.54549N – 111.60925W
Metropolitan Sampling Area (MSA): 6200 Phoenix-Mesa

-General Information	
Pollutant/Monitor Type	**Ozone**
Sampling Schedule	Continuous
Analysis Method	N/A
Any Proposal to Remove or Move Monitor?	No
Is site suitable for comparison to $PM_{2.5}$ NAAQS per Part 58.30?	N/A
-Appendix A Requirements	
# Precision Checks Performed Annually	25
# Precision Checks Passing (Percentage)	25 (100%)
# Accuracy Checks Performed Annually	4
# Accuracy Checks Passing (Percentage)	4 (100%)
All Precision/Accuracy Reports Submitted to AQS?	Yes
Annual Data Certification Submitted?	Pending for July 2007
Frequency of One-Point QC Check	Bi-Weekly
Frequency of Flow Rate Verification	N/A
Last Annual Performance Evaluation Date	10/23/06
Last Two Semi-Annual Flow Rate Audit Dates	N/A
-Appendix C Requirements	
Sampler Make & Model	API M400
Date Established	01/01/1993
Classification	SLAMS
Method (FRM, FEM, ARM)	FRM
-Appendix D Requirements	
Monitoring Objective	Max Ozone Concentration
Monitoring Scale	Urban
Sampling Season	Jan-Dec
Network Meets Minimum Number of Monitors Required?	Yes
-Appendix E Requirements	
Distance between collocated samplers	N/A
Probe Inlet Height	5.3 meters
Airflow Arc	360º
Distance from Supporting Structure	N/A
Distance from Obstructions	N/A
Distance to Furnace Flue	N/A
Spacing from Trees	N/A
Nearest Major Roadway	Bush Highway
Distance and Direction to Road	160 meters, South
Traffic Count (ADT)	1000
Groundcover	Paved

BUCKEYE
County ID: BE
AQS ID: 04-013-4011
Address: 26449 W 100th DR, Buckeye
Coordinates: 33.37005N – 111.62070W
Metropolitan Sampling Area (MSA): 6200 Phoenix-Mesa

-General Information				
Pollutant/Monitor Type	**Ozone**	**CO**	**NO_2**	**PM_{10}**
Sampling Schedule	Continuous	Continuous	Continuous	Continuous
Analysis Method	N/A	N/A	N/A	N/A
Any Proposal to Remove or Move Monitor?	No	No	No	No
Is site suitable for comparison to $PM_{2.5}$ NAAQS per Part 58.30?	N/A	N/A	N/A	N/A
-Appendix A Requirements				
# Precision Checks Performed Annually	18	15	27	26
# Precision Checks Passing (Percentage)	18 (100%)	15 (100%)	24 (89%)	26 (100%)
# Accuracy Checks Performed Annually	2	2	4	1*
# Accuracy Checks Passing (Percentage)	2 (100%)	2 (100%)	3 (75%)	1 (100%)
All Precision/Accuracy Reports Submitted to AQS?	Yes	Yes	Yes	Yes
Annual Data Certification Submitted?	Pending for July 2007	Pending for July 2007	Pending for July 2007	Pending for July 2007
Frequency of One-Point QC Check	Bi-Weekly	Bi-Weekly	Bi-Weekly	N/A
Frequency of Flow Rate Verification	N/A	N/A	N/A	Bi-Weekly
Last Annual Performance Evaluation Date	8/17/06	2/13/06	9/7/06	N/A
Last Two Semi-Annual Flow Rate Audit Dates	N/A	N/A	N/A	02/01/07**
-Appendix C Requirements				
Sampler Make & Model	API M400	API M300	API M200	R&P TEOM
Date Established	08/01/2004	08/01/2004	08/01/2004	08/01/2004
Classification	SLAMS	SLAMS	SLAMS	SLAMS
Method (FRM, FEM, ARM)	FRM	FRM	FRM	FEM
-Appendix D Requirements				
Monitoring Objective	Population Exposure	Population Exposure	Source Oriented	Population Exposure
Monitoring Scale	Neighborhood	Neighborhood	Urban	Neighborhood
Sampling Season	Apr-Oct	Sep-Mar	Jan-Dec	Jan-Dec
Network Meets Minimum Number of Monitors Required?	Yes	Yes	Yes	Yes
-Appendix E Requirements				
Distance between collocated samplers	N/A	N/A	N/A	N/A
Probe Inlet Height	4 meters	4 meters	4 meters	4.5 meters
Airflow Arc	360º	360º	360º	360º
Distance from Supporting Structure	N/A	N/A	N/A	N/A
Distance from Obstructions	N/A	N/A	N/A	N/A
Distance to Furnace Flue	N/A	N/A	N/A	N/A
Spacing from Trees	14 meters, N	14 meters, N	14 meters, N	14 meters, N
Nearest Major Roadway	US Hwy 85	US Hwy 85	US Hwy 85	US Hwy 85
Distance and Direction to Road	31 meters, N	31 meters, N	31 meters, N	31 meters, N
Traffic Count (ADT)	3000	3000	3000	3000
Groundcover	Paved	Paved	Paved	Paved

*Annual accuracy check was not performed until Feb 2007.
**Only one annual flow rate audit was performed for 2006.

CAVE CREEK

County ID: CC
AQS ID: 04-013-4008
Address: 37019 N Lava Lane, Phoenix
Coordinates: 33.82169N – 112.01739W
Metropolitan Sampling Area (MSA): 6200 Phoenix-Mesa

-General Information	
Pollutant/Monitor Type	**Ozone**
Sampling Schedule	Continuous
Analysis Method	N/A
Any Proposal to Remove or Move Monitor?	No
Is site suitable for comparison to $PM_{2.5}$ NAAQS per Part 58.30?	N/A
-Appendix A Requirements	
# Precision Checks Performed Annually	16
# Precision Checks Passing (Percentage)	16 (100%)
# Accuracy Checks Performed Annually	2
# Accuracy Checks Passing (Percentage)	2 (100%)
All Precision/Accuracy Reports Submitted to AQS?	Yes
Annual Data Certification Submitted?	Pending for July 2007
Frequency of One-Point QC Check	Bi-Weekly
Frequency of Flow Rate Verification	N/A
Last Annual Performance Evaluation Date	7/24/06
Last Two Semi-Annual Flow Rate Audit Dates	N/A
-Appendix C Requirements	
Sampler Make & Model	API M400
Date Established	07/20/2001
Classification	SLAMS
Method (FRM, FEM, ARM)	FRM
-Appendix D Requirements	
Monitoring Objective	Max Ozone Concentration
Monitoring Scale	Urban
Sampling Season	Apr-Oct
Network Meets Minimum Number of Monitors Required?	Yes
-Appendix E Requirements	
Distance between collocated samplers	N/A
Probe Inlet Height	4.8 meters
Airflow Arc	360º
Distance from Supporting Structure	N/A
Distance from Obstructions	N/A
Distance to Furnace Flue	N/A
Spacing from Trees	20 meters, E
Nearest Major Roadway	32nd Street
Distance and Direction to Road	240 meters, NE
Traffic Count (ADT)	1000
Groundcover	Paved

CENTRAL PHOENIX

County ID: CP
AQS ID: 04-013-3002
Address: 1645 E Roosevelt, Phoenix
Coordinates: 33.45793N - 112.04601W
Metropolitan Sampling Area (MSA): 6200 Phoenix-Mesa

-General Information					
Pollutant/Monitor Type	**Ozone**	**CO**	**NO_2**	**SO_2**	**PM_{10}**
Sampling Schedule	Continuous	Continuous	Continuous	Continuous	Continuous
Analysis Method	N/A	N/A	N/A	N/A	N/A
Any Proposal to Remove or Move Monitor?	No	No	No	No	No
Is site suitable for comparison to $PM_{2.5}$ NAAQS per Part 58.30?	N/A	N/A	N/A	N/A	N/A
-Appendix A Requirements					
# Precision Checks Performed Annually	25	27	26	26	28
# Precision Checks Passing (Percentage)	25 (100%)	27 (100%)	24 (92%)	25 (96%)	28 (100%)
# Accuracy Checks Performed Annually	3	3	5	3	1*
# Accuracy Checks Passing (Percentage)	3 (100%)	3 (100%)	5 (100%)	3 (100%)	1 (100%)
All Precision/Accuracy Reports Submitted to AQS?	Yes	Yes	Yes	Yes	Yes
Annual Data Certification Submitted?	Pending for July 2007	Pending for July 2007	Pending for July 2007	Pending for July 2007	Pending for July 2007
Frequency of One-Point QC Check	Bi-Weekly	Bi-Weekly	Bi-Weekly	Bi-Weekly	N/A
Frequency of Flow Rate Verification	N/A	N/A	N/A	N/A	Bi-Weekly
Last Annual Performance Evaluation Date	10/02/06	10/05/06	11/30/06	10/02/06	N/A
Last Two Semi-Annual Flow Rate Audit Dates	N/A	N/A	N/A	N/A	1/24/07**
-Appendix C Requirements					
Sampler Make & Model	API M400	API M300	API M200	API M1400	R&P TEOM
Date Established	06/01/1967	10/01/1966	01/01/1967	01/01/1965	04/01/1985
Classification	SLAMS	SLAMS	SLAMS	SLAMS	SLAMS
Method (FRM, FEM, ARM)	FRM	FRM	FRM	FRM	FEM
-Appendix D Requirements					
Monitoring Objective	Population Exposure	Population Exposure	Highest Concentration	Highest Concentration	Population Exposure
Monitoring Scale	Neighborhood	Neighborhood	Neighborhood	Neighborhood	Neighborhood
Sampling Season	Jan-Dec	Jan-Dec	Jan-Dec	Jan-Dec	Jan-Dec
Network Meets Minimum Number of Monitors Required?	Yes	Yes	Yes	Yes	Yes
-Appendix E Requirements					
Distance between collocated samplers	N/A	N/A	N/A	N/A	N/A
Probe Inlet Height	11.3 meters	11.3 meters	11.3 meters	11.3 meters	11.3 meters
Airflow Arc	360º	360º	360º	360º	360º
Distance from Supporting Structure	N/A	N/A	N/A	N/A	N/A
Distance from Obstructions	N/A	N/A	N/A	N/A	N/A
Distance to Furnace Flue	N/A	N/A	N/A	N/A	N/A
Spacing from Trees	N/A	N/A	N/A	N/A	N/A
Nearest Major Roadway A	16th Street	16th Street	16th Street	16th Street	16th Street
Distance and Direction to Road	88 meters, W	88 meters, W	88 meters, W	88 meters, W	91 meters, W
Traffic Count (ADT)	24000	24000	24000	24000	24000
Nearest Major Roadway B	Roosevelt St.	Roosevelt St.	Roosevelt St.	Roosevelt St.	Roosevelt St.
Distance and Direction to Road	75 meters, N	75 meters, N	75 meters, N	75 meters, N	75 meters, N
Traffic Count (ADT)	Unknown	Unknown	Unknown	Unknown	Unknown
Groundcover	Paved	Paved	Paved	Paved	Paved

*Annual accuracy check was not performed until Jan 2007.
**Only one annual flow rate audit was performed for 2006.

DURANGO COMPLEX

County ID: DC
AQS ID: 04-013-9812
Address: 2702 RC Esterbrooks Blvd, Phoenix
Coordinates: 33.42650N -112.11814W
Metropolitan Sampling Area (MSA): 6200 Phoenix-Mesa

-General Information		
Pollutant/Monitor Type	**PM_{10}**	**$PM_{2.5}$**
Sampling Schedule	Continuous	Continuous
Analysis Method	N/A	N/A
Any Proposal to Remove or Move Monitor?	No	No
Is site suitable for comparison to $PM_{2.5}$ NAAQS per Part 58.30?	N/A	Yes
-Appendix A Requirements		
# Precision Checks Performed Annually	44	29
# Precision Checks Passing (Percentage)	44 (100%)	28 (97%)
# Accuracy Checks Performed Annually	2*	1
# Accuracy Checks Passing (Percentage)	2 (100%)	1 (100%)
All Precision/Accuracy Reports Submitted to AQS?	Yes	Yes
Annual Data Certification Submitted?	Pending for July 2007	Pending for July 2007
Frequency of One-Point QC Check	N/A	N/A
Frequency of Flow Rate Verification	Bi-Weekly	Bi-Weekly
Last Annual Performance Evaluation Date	N/A	N/A
Last Two Semi-Annual Flow Rate Audit Dates	2/02/07**	2/02/07**
-Appendix C Requirements		
Sampler Make & Model	R&P TEOM	R&P FDMS-TEOM
Date Established	07/01/1999	07/01/2005
Classification	SLAMS	SLAMS
Method (FRM, FEM, ARM)	FEM	None
-Appendix D Requirements		
Monitoring Objective	Highest Concentration	Highest Concentration
Monitoring Scale	Middle	Middle
Sampling Season	Jan-Dec	Jan-Dec
Network Meets Minimum Number of Monitors Required?	Yes	Yes
-Appendix E Requirements		
Distance between collocated samplers	N/A	N/A
Probe Inlet Height	3.9 meters	4.8 meters
Airflow Arc	360º	360º
Distance from Supporting Structure	N/A	N/A
Distance from Obstructions	N/A	N/A
Distance to Furnace Flue	N/A	N/A
Spacing from Trees	14 meters, S	14 meters, S
Nearest Major Roadway	27th Ave	27th Ave
Distance and Direction to Road	78 meters, E	76 meters, E
Traffic Count (ADT)	16000	16000
Groundcover	Paved	Paved

*Second annual accuracy check was not performed until Feb 2007.
**Only one annual flow rate audit was performed for 2006.

DYSART

County ID: DY
AQS ID: 04-013-4010
Address: 16825 N Dysart Rd, Surprise
Coordinates: 33.63713N – 112.34184W
Metropolitan Sampling Area (MSA): 6200 Phoenix-Mesa

-General Information			
Pollutant/Monitor Type	**Ozone**	**CO**	**PM_{10}**
Sampling Schedule	Continuous	Continuous	1 in 6 days
Analysis Method	N/A	N/A	Filters weighed in-house
Any Proposal to Remove or Move Monitor?	No	No	No
Is site suitable for comparison to $PM_{2.5}$ NAAQS per Part 58.30?	N/A	N/A	N/A
-Appendix A Requirements			
# Precision Checks Performed Annually	17	14	N/A
# Precision Checks Passing (Percentage)	17(100%)	14 (100%)	N/A
# Accuracy Checks Performed Annually	4	2	1
# Accuracy Checks Passing (Percentage)	4 (100%)	2 (100%)	1 (100%)
All Precision/Accuracy Reports Submitted to AQS?	Yes	Yes	Yes
Annual Data Certification Submitted?	Pending for July 2007	Pending for July 2007	Pending for July 2007
Frequency of One-Point QC Check	Bi-Weekly	Bi-Weekly	N/A
Frequency of Flow Rate Verification	N/A	N/A	Monthly
Last Annual Performance Evaluation Date	11/02/06	11/02/06	N/A
Last Two Semi-Annual Flow Rate Audit Dates	N/A	N/A	3/23/06**
-Appendix C Requirements			
Sampler Make & Model	API M400	API M300	Anderson SSI
Date Established	7/21/2003	09/01/2003	07/14/2003
Classification	SLAMS	SLAMS	SLAMS
Method (FRM, FEM, ARM)	FRM	FRM	FRM
-Appendix D Requirements			
Monitoring Objective	Population Exposure	Population Exposure	Population Exposure
Monitoring Scale	Neighborhood	Neighborhood	Neighborhood
Sampling Season	Apr-Oct	Sep-Mar	Jan-Dec
Network Meets Minimum Number of Monitors Required?	Yes	Yes	Yes
-Appendix E Requirements			
Distance between collocated samplers	N/A	N/A	N/A
Probe Inlet Height	3.3 meters	3.3 meters	2.6 meters
Airflow Arc	360º	360º	360º
Distance from Supporting Structure	N/A	N/A	N/A
Distance from Obstructions	N/A	N/A	N/A
Distance to Furnace Flue	N/A	N/A	N/A
Spacing from Trees	N/A	N/A	N/A
Nearest Major Roadway A	Dysart	Dysart	Dysart
Distance and Direction to Road	17 meters, W	17 meters, W	12 meters, W
Traffic Count (ADT)	12000	12000	12000
Nearest Major Roadway B	Bell Rd	Bell Rd	Bell Rd
Distance and Direction to Road	495 meters, N	495 meters, N	460 meters, N
Traffic Count (ADT)	43000	43000	43000
Groundcover	Paved/Gravel	Paved/Gravel	Paved/Gravel

**Only one annual flow rate audit was performed for 2006.

FALCON FIELD
County ID: FF
AQS ID: 04-013-1010
Address: 4530 E McKellips Rd, Mesa
Coordinates: 33.45223N – 111.73331W
Metropolitan Sampling Area (MSA): 6200 Phoenix-Mesa

-General Information	
Pollutant/Monitor Type	**Ozone**
Sampling Schedule	Continuous
Analysis Method	N/A
Any Proposal to Remove or Move Monitor?	No
Is site suitable for comparison to $PM_{2.5}$ NAAQS per Part 58.30?	N/A
-Appendix A Requirements	
# Precision Checks Performed Annually	16
# Precision Checks Passing (Percentage)	16 (100%)
# Accuracy Checks Performed Annually	2
# Accuracy Checks Passing (Percentage)	2 (100%)
All Precision/Accuracy Reports Submitted to AQS?	Yes
Annual Data Certification Submitted?	Pending for July 2007
Frequency of One-Point QC Check	Bi-Weekly
Frequency of Flow Rate Verification	N/A
Last Annual Performance Evaluation Date	11/16/06
Last Two Semi-Annual Flow Rate Audit Dates	N/A
-Appendix C Requirements	
Sampler Make & Model	API M400
Date Established	06/01/1989
Classification	SLAMS
Method (FRM, FEM, ARM)	FRM
-Appendix D Requirements	
Monitoring Objective	Population Exposure
Monitoring Scale	Neighborhood
Sampling Season	Apr-Oct
Network Meets Minimum Number of Monitors Required?	Yes
-Appendix E Requirements	
Distance between collocated samplers	N/A
Probe Inlet Height	9.3 meters
Airflow Arc	360º
Distance from Supporting Structure	N/A
Distance from Obstructions	N/A
Distance to Furnace Flue	N/A
Spacing from Trees	N/A
Nearest Major Roadway	McKellips
Distance and Direction to Road	58 meters, S
Traffic Count (ADT)	29000
Groundcover	Paved

FOUNTAIN HILLS
County ID: FH
AQS ID: 04-013-9704
Address: 16426 E Palisades Blvd, Fountain Hills
Coordinates: 33.61103N – 111.72529W
Metropolitan Sampling Area (MSA): 6200 Phoenix-Mesa

-General Information	
Pollutant/Monitor Type	**Ozone**
Sampling Schedule	Continuous
Analysis Method	N/A
Any Proposal to Remove or Move Monitor?	No
Is site suitable for comparison to $PM_{2.5}$ NAAQS per Part 58.30?	N/A
-Appendix A Requirements	
# Precision Checks Performed Annually	27
# Precision Checks Passing (Percentage)	27 (100%)
# Accuracy Checks Performed Annually	3
# Accuracy Checks Passing (Percentage)	3 (100%)
All Precision/Accuracy Reports Submitted to AQS?	Yes
Annual Data Certification Submitted?	Pending for July 2007
Frequency of One-Point QC Check	Bi-Weekly
Frequency of Flow Rate Verification	N/A
Last Annual Performance Evaluation Date	10/02/06
Last Two Semi-Annual Flow Rate Audit Dates	N/A
-Appendix C Requirements	
Sampler Make & Model	API M400
Date Established	04/01/1996
Classification	SLAMS
Method (FRM, FEM, ARM)	FRM
-Appendix D Requirements	
Monitoring Objective	Max Ozone Concentration
Monitoring Scale	Neighborhood
Sampling Season	Jan-Dec
Network Meets Minimum Number of Monitors Required?	Yes
-Appendix E Requirements	
Distance between collocated samplers	N/A
Probe Inlet Height	4.3 meters
Airflow Arc	360º
Distance from Supporting Structure	N/A
Distance from Obstructions	Canopy 1 meter higher than probe, located 9 meters to the south
Distance to Furnace Flue	N/A
Spacing from Trees	15 meters, W
Nearest Major Roadway	Palisades Blvd
Distance and Direction to Road	70 meters, SW
Traffic Count (ADT)	8000
Groundcover	Paved

GLENDALE

County ID: GL
AQS ID: 04-013-2001
Address: 6001 W Olive, Glendale
Coordinates: 33.56936N – 112.19153W
Metropolitan Sampling Area (MSA): 6200 Phoenix-Mesa

-General Information			
Pollutant/Monitor Type	**Ozone**	**CO**	**PM_{10}**
Sampling Schedule	Continuous	Continuous	1 in 6 day
Analysis Method	N/A	N/A	Filters Weighed In-House
Any Proposal to Remove or Move Monitor?	No	No	No
Is site suitable for comparison to $PM_{2.5}$ NAAQS per Part 58.30?	N/A	N/A	N/A
-Appendix A Requirements			
# Precision Checks Performed Annually	17	15	N/A
# Precision Checks Passing (Percentage)	17 (100%)	15 (100%)	N/A
# Accuracy Checks Performed Annually	3	1	1
# Accuracy Checks Passing (Percentage)	3 (100%)	1 (100%)	1 (100%)
All Precision/Accuracy Reports Submitted to AQS?	Yes	Yes	Yes
Annual Data Certification Submitted?	Pending for July 2007	Pending for July 2007	Pending for July 2007
Frequency of One-Point QC Check	Bi-Weekly	Bi-Weekly	N/A
Frequency of Flow Rate Verification	N/A	N/A	Monthly
Last Annual Performance Evaluation Date	8/24/06	1/12/06	N/A
Last Two Semi-Annual Flow Rate Audit Dates	N/A	N/A	3/23/06**
-Appendix C Requirements			
Sampler Make & Model	API M400	API M300	Anderson SSI
Date Established	01/01/1974	01/01/1974	07/01/1987
Classification	SLAMS	SLAMS	SLAMS
Method (FRM, FEM, ARM)	FRM	FRM	FRM
-Appendix D Requirements			
Monitoring Objective	Population Exposure	Population Exposure	Population Exposure
Monitoring Scale	Neighborhood	Neighborhood	Neighborhood
Sampling Season	Apr-Oct	Sep-Mar	Jan-Dec
Network Meets Minimum Number of Monitors Required?	Yes	Yes	Yes
-Appendix E Requirements			
Distance between collocated samplers	N/A	N/A	N/A
Probe Inlet Height	6.0 meters	6.0 meters	7.4 meters
Airflow Arc	360º	360º	360º
Distance from Supporting Structure	N/A	N/A	N/A
Distance from Obstructions	N/A	N/A	N/A
Distance to Furnace Flue	N/A	N/A	N/A
Spacing from Trees	N/A	N/A	N/A
Nearest Major Roadway A	Olive Ave	Olive Ave	Olive Ave
Distance and Direction to Road	225 meters, S	225 meters, S	227 meters, S
Traffic Count (ADT)	25000	25000	25000
Nearest Major Roadway B	59th Ave	59th Ave	59th Ave
Distance and Direction to Road	475 meters, E	475 meters, E	430 meters, E
Traffic Count (ADT)	30500	30500	30500
Groundcover	Paved	Paved	Paved

**Only one annual flow rate audit was performed for 2006.

GREENWOOD

County ID: GR
AQS ID: 04-013-3010
Address: 1128 N 27th Ave., Phoenix
Coordinates: 33.46093N – 112.11748W
Metropolitan Sampling Area (MSA): 6200 Phoenix-Mesa

-General Information			
Pollutant/Monitor Type	**CO**	**NO_2**	**PM_{10}**
Sampling Schedule	Continuous	Continuous	Continuous
Analysis Method	N/A	N/A	N/A
Any Proposal to Remove or Move Monitor?	No	No	No
Is site suitable for comparison to $PM_{2.5}$ NAAQS per Part 58.30?	N/A	N/A	N/A
-Appendix A Requirements			
# Precision Checks Performed Annually	24	25	26
# Precision Checks Passing (Percentage)	22 (92%)	24 (96%)	26 (100%)
# Accuracy Checks Performed Annually	4	6	1*
# Accuracy Checks Passing (Percentage)	4 (100%)	6 (100%)	1 (100%)
All Precision/Accuracy Reports Submitted to AQS?	Yes	Yes	Yes
Annual Data Certification Submitted?	Pending for July 2007	Pending for July 2007	Pending for July 2007
Frequency of One-Point QC Check	Bi-Weekly	Bi-Weekly	N/A
Frequency of Flow Rate Verification	N/A	N/A	Bi-Weekly
Last Annual Performance Evaluation Date	8/22/06	12/20/06	N/A
Last Two Semi-Annual Flow Rate Audit Dates	N/A	N/A	2/1/07**
-Appendix C Requirements			
Sampler Make & Model	API M300	API M200	R&P TEOM
Date Established	11/01/1993	11/01/1993	11/01/1993
Classification	SLAMS	SLAMS	SLAMS
Method (FRM, FEM, ARM)	FRM	FRM	FEM
-Appendix D Requirements			
Monitoring Objective	Population Exposure	Population Exposure	Population Exposure
Monitoring Scale	Middle	Middle	Middle
Sampling Season	Jan-Dec	Jan-Dec	Jan-Dec
Network Meets Minimum Number of Monitors Required?	Yes	Yes	Yes
-Appendix E Requirements			
Distance between collocated samplers	N/A	N/A	N/A
Probe Inlet Height	4.2 meters	4.2 meters	4.4 meters
Airflow Arc	360º	360º	360º
Distance from Supporting Structure	N/A	N/A	N/A
Distance from Obstructions	N/A	N/A	N/A
Distance to Furnace Flue	N/A	N/A	N/A
Spacing from Trees	20 meters, NW	20 meters, NW	20 meters, NW
Nearest Major Roadway A	27th Ave	27th Ave	27th Ave
Distance and Direction to Road	10 meters, E	10 meters, E	10 meters, E
Traffic Count (ADT)	18500	18500	18500
Nearest Major Roadway B	I-10	I-10	I-10
Distance and Direction to Road	85 meters, N	85 meters, N	85 meters, N
Traffic Count (ADT)	229000	229000	229000
Groundcover	Paved	Paved	Paved

*Annual accuracy check was not performed until Feb 2007.
**Only one annual flow rate audit was performed for 2006.

HIGLEY

County ID: HI
AQS ID: 04-013-4006
Address: 15400 South Higley Road, Gilbert
Coordinates: 33.31074N – 111.72255W
Metropolitan Sampling Area (MSA): 6200 Phoenix-Mesa

-General Information	
Pollutant/Monitor Type	**PM_{10}**
Sampling Schedule	Continuous
Analysis Method	N/A
Any Proposal to Remove or Move Monitor?	No
Is site suitable for comparison to $PM_{2.5}$ NAAQS per Part 58.30?	N/A
-Appendix A Requirements	
# Precision Checks Performed Annually	28
# Precision Checks Passing (Percentage)	28 (100%)
# Accuracy Checks Performed Annually	1*
# Accuracy Checks Passing (Percentage)	1 (100%)
All Precision/Accuracy Reports Submitted to AQS?	Yes
Annual Data Certification Submitted?	Pending for July 2007
Frequency of One-Point QC Check	N/A
Frequency of Flow Rate Verification	Bi-Weekly
Last Annual Performance Evaluation Date	N/A
Last Two Semi-Annual Flow Rate Audit Dates	2/2/07**
-Appendix C Requirements	
Sampler Make & Model	R&P TEOM
Date Established	07/01/2000
Classification	SLAMS
Method (FRM, FEM, ARM)	FEM
-Appendix D Requirements	
Monitoring Objective	Population Exposure
Monitoring Scale	Neighborhood
Sampling Season	Jan-Dec
Network Meets Minimum Number of Monitors Required?	Yes
-Appendix E Requirements	
Distance between collocated samplers	N/A
Probe Inlet Height	2.9 meters
Airflow Arc	360º
Distance from Supporting Structure	N/A
Distance from Obstructions	N/A
Distance to Furnace Flue	N/A
Spacing from Trees	N/A
Nearest Major Roadway A	Higley Rd
Distance and Direction to Road	117 meters, E
Traffic Count (ADT)	11500
Nearest Major Roadway B	Williams Field Rd
Distance and Direction to Road	410 meters, S
Traffic Count (ADT)	11500
Groundcover	Paved

*Annual accuracy check was not performed until Feb 2007.
**Only one annual flow rate audit was performed for 2006.

HUMBOLDT MOUNTAIN

County ID: HM
AQS ID: 04-013-9508
Address: Seven Springs Rd-FAA Radar Station, Tonto National Forest
Coordinates: 33.98280N – 111.79870W
Metropolitan Sampling Area (MSA): 6200 Phoenix-Mesa

-General Information	
Pollutant/Monitor Type	**Ozone**
Sampling Schedule	Continuous
Analysis Method	N/A
Any Proposal to Remove or Move Monitor?	No
Is site suitable for comparison to $PM_{2.5}$ NAAQS per Part 58.30?	N/A
-Appendix A Requirements	
# Precision Checks Performed Annually	16
# Precision Checks Passing (Percentage)	16 (100%)
# Accuracy Checks Performed Annually	3
# Accuracy Checks Passing (Percentage)	3 (100%)
All Precision/Accuracy Reports Submitted to AQS?	Yes
Annual Data Certification Submitted?	Pending for July 2007
Frequency of One-Point QC Check	Bi-Weekly
Frequency of Flow Rate Verification	N/A
Last Annual Performance Evaluation Date	9/5/06
Last Two Semi-Annual Flow Rate Audit Dates	N/A
-Appendix C Requirements	
Sampler Make & Model	API M400
Date Established	01/01/1993
Classification	SLAMS
Method (FRM, FEM, ARM)	FRM
-Appendix D Requirements	
Monitoring Objective	Max Ozone Concentration
Monitoring Scale	Regional
Sampling Season	Apr-Oct
Network Meets Minimum Number of Monitors Required?	Yes
-Appendix E Requirements	
Distance between collocated samplers	N/A
Probe Inlet Height	4.5 meters
Airflow Arc	360º
Distance from Supporting Structure	N/A
Distance from Obstructions	N/A
Distance to Furnace Flue	N/A
Spacing from Trees	N/A
Nearest Major Roadway	N/A (Remote mountaintop site, only reachable by small access road)
Distance and Direction to Road	N/A
Traffic Count (ADT)	N/A
Groundcover	Dirt/Vegetated

MESA
County ID: ME
AQS ID: 04-013-1003
Address: 310 S Brooks, Mesa
Coordinates: 33.41045N – 111.86507W
Metropolitan Sampling Area (MSA): 6200 Phoenix-Mesa

-General Information			
Pollutant/Monitor Type	**CO**	**$PM_{2.5}$**	**PM_{10}**
Sampling Schedule	Continuous	1 in 3 day	1 in 6 day
Analysis Method	N/A	Filters Weighed by ADEQ	Filters Weighed In-house
Any Proposal to Remove or Move Monitor?	No	No	No
Is site suitable for comparison to $PM_{2.5}$ NAAQS per Part 58.30?	N/A	Yes	N/A
-Appendix A Requirements			
# Precision Checks Performed Annually	15	N/A	59
# Precision Checks Passing (Percentage)	14 (93%)	N/A	58 (98%)
# Accuracy Checks Performed Annually	1	1	2
# Accuracy Checks Passing (Percentage)	1 (100%)	1 (100%)	2 (100%)
All Precision/Accuracy Reports Submitted to AQS?	Yes	Yes	Yes
Annual Data Certification Submitted?	Pending for July 2007	Pending for July 2007	Pending for July 2007
Frequency of One-Point QC Check	Bi-Weekly	N/A	N/A
Frequency of Flow Rate Verification	N/A	Every 6 Weeks	Monthly
Last Annual Performance Evaluation Date	1/18/06	N/A	N/A
Last Two Semi-Annual Flow Rate Audit Dates	N/A	1/18/06**	1/18/06, 4/4/06
-Appendix C Requirements			
Sampler Make & Model	API M400	R&P 2025	Anderson SSI
Date Established	01/01/1978	04/28/2005	01/23/1990
Classification	SLAMS	SLAMS	SLAMS
Method (FRM, FEM, ARM)	FRM	FRM	FRM
-Appendix D Requirements			
Monitoring Objective	Population Exposure	Population Exposure	Population Exposure
Monitoring Scale	Neighborhood	Neighborhood	Neighborhood
Sampling Season	Sep-Mar	Jan-Dec	Jan-Dec
Network Meets Minimum Number of Monitors Required?	Yes	Yes	Yes
-Appendix E Requirements			
Distance between collocated samplers	N/A	N/A	3.3 meters
Probe Inlet Height	7 meters	6.9 meters	6.2 meters
Airflow Arc	360º	360º	360º
Distance from Supporting Structure	N/A	N/A	N/A
Distance from Obstructions	N/A	N/A	N/A
Distance to Furnace Flue	N/A	N/A	N/A
Spacing from Trees	N/A	N/A	N/A
Nearest Major Roadway	Broadway Rd.	Broadway Rd.	Broadway Rd.
Distance and Direction to Road	305 meters, S	305 meters, S	305 meters, S
Traffic Count (ADT)	33000	33000	33000
Groundcover	Paved/Gravel	Paved/Gravel	Paved/Gravel

**Only one annual flow rate audit was performed.

NORTH PHOENIX

County ID: NP
AQS ID: 04-013-1004
Address: 601 E Butler Dr., Phoenix
Coordinates: 33.56033N – 112.06626W
Metropolitan Sampling Area (MSA): 6200 Phoenix-Mesa

-General Information			
Pollutant/Monitor Type	**Ozone**	**CO**	**PM_{10}**
Sampling Schedule	Continuous	Continuous	1 in 6 day
Analysis Method	N/A	N/A	Filters Weighed In-House
Any Proposal to Remove or Move Monitor?	No	No	No
Is site suitable for comparison to $PM_{2.5}$ NAAQS per Part 58.30?	N/A	N/A	N/A
-Appendix A Requirements			
# Precision Checks Performed Annually	26	12	N/A
# Precision Checks Passing (Percentage)	25 (96%)	12 (100%)	N/A
# Accuracy Checks Performed Annually	3	3	1
# Accuracy Checks Passing (Percentage)	3 (100%)	3 (100%)	1 (100%)
All Precision/Accuracy Reports Submitted to AQS?	Yes	Yes	Yes
Annual Data Certification Submitted?	Pending for July 2007	Pending for July 2007	Pending for July 2007
Frequency of One-Point QC Check	Bi-Weekly	Bi-Weekly	N/A
Frequency of Flow Rate Verification	N/A	N/A	Monthly
Last Annual Performance Evaluation Date	10/20/06	10/30/06	N/A
Last Two Semi-Annual Flow Rate Audit Dates	N/A	N/A	4/21/06**
-Appendix C Requirements			
Sampler Make & Model	API M400	API M300	Anderson SSI
Date Established	01/01/1975	01/01/1974	01/05/1990
Classification	SLAMS	SLAMS	SLAMS
Method (FRM, FEM, ARM)	FRM	FRM	FRM
-Appendix D Requirements			
Monitoring Objective	Population Exposure	Population Exposure	Population Exposure
Monitoring Scale	Neighborhood	Neighborhood	Neighborhood
Sampling Season	Jan-Dec	Sep-Mar	Jan-Dec
Network Meets Minimum Number of Monitors Required?	Yes	Yes	Yes
-Appendix E Requirements			
Distance between collocated samplers	N/A	N/A	N/A
Probe Inlet Height	4.6 meters	4.6 meters	4.4 meters
Airflow Arc	360º	360º	360º
Distance from Supporting Structure	N/A	N/A	N/A
Distance from Obstructions	N/A	N/A	N/A
Distance to Furnace Flue	N/A	N/A	N/A
Spacing from Trees	N/A	N/A	N/A
Nearest Major Roadway	7^{th} Street	7^{th} Street	7^{th} Street
Distance and Direction to Road	75 meters, E	75 meters, E	75 meters, E
Traffic Count (ADT)	32000	32000	32000
Groundcover	Gravel	Gravel	Gravel

**Only one annual flow rate audit was performed for 2006.

PINNACLE PEAK
County ID: PP
AQS ID: 04-013-2005
Address: 25000 N Windy Walk, Scottsdale
Coordinates: 33.71231N – 111.85272W
Metropolitan Sampling Area (MSA): 6200 Phoenix-Mesa

-General Information	
Pollutant/Monitor Type	**Ozone**
Sampling Schedule	Continuous
Analysis Method	N/A
Any Proposal to Remove or Move Monitor?	No
Is site suitable for comparison to $PM_{2.5}$ NAAQS per Part 58.30?	N/A
-Appendix A Requirements	
# Precision Checks Performed Annually	24
# Precision Checks Passing (Percentage)	24 (100%)
# Accuracy Checks Performed Annually	3
# Accuracy Checks Passing (Percentage)	3 (100%)
All Precision/Accuracy Reports Submitted to AQS?	Yes
Annual Data Certification Submitted?	Pending for July 2007
Frequency of One-Point QC Check	Bi-Weekly
Frequency of Flow Rate Verification	N/A
Last Annual Performance Evaluation Date	10/03/06
Last Two Semi-Annual Flow Rate Audit Dates	N/A
-Appendix C Requirements	
Sampler Make & Model	API M400
Date Established	02/01/1988
Classification	SLAMS
Method (FRM, FEM, ARM)	FRM
-Appendix D Requirements	
Monitoring Objective	Max Ozone Concentration
Monitoring Scale	Urban
Sampling Season	Jan-Dec
Network Meets Minimum Number of Monitors Required?	Yes
-Appendix E Requirements	
Distance between collocated samplers	N/A
Probe Inlet Height	11.9 meters
Airflow Arc	360º
Distance from Supporting Structure	N/A
Distance from Obstructions	N/A
Distance to Furnace Flue	N/A
Spacing from Trees	N/A
Nearest Major Roadway	Happy Valley Rd.
Distance and Direction to Road	61 meters, S
Traffic Count (ADT)	16000
Groundcover	Paved/Grass

RIO VERDE
County ID: RV
AQS ID: 04-013-9706
Address: 25608 N Forest Rd., Rio Verde
Coordinates: 33.71881N – 111.67183W
Metropolitan Sampling Area (MSA): 6200 Phoenix-Mesa

-General Information	
Pollutant/Monitor Type	**Ozone**
Sampling Schedule	Continuous
Analysis Method	N/A
Any Proposal to Remove or Move Monitor?	No
Is site suitable for comparison to $PM_{2.5}$ NAAQS per Part 58.30?	N/A
-Appendix A Requirements	
# Precision Checks Performed Annually	17
# Precision Checks Passing (Percentage)	17 (100%)
# Accuracy Checks Performed Annually	2
# Accuracy Checks Passing (Percentage)	2 (100%)
All Precision/Accuracy Reports Submitted to AQS?	Yes
Annual Data Certification Submitted?	Pending for July 2007
Frequency of One-Point QC Check	Bi-Weekly
Frequency of Flow Rate Verification	N/A
Last Annual Performance Evaluation Date	7/13/06
Last Two Semi-Annual Flow Rate Audit Dates	N/A
-Appendix C Requirements	
Sampler Make & Model	API M400
Date Established	01/01/1997
Classification	SLAMS
Method (FRM, FEM, ARM)	FRM
-Appendix D Requirements	
Monitoring Objective	Max Ozone Concentration
Monitoring Scale	Urban
Sampling Season	Apr-Oct
Network Meets Minimum Number of Monitors Required?	Yes
-Appendix E Requirements	
Distance between collocated samplers	N/A
Probe Inlet Height	6.2 meters
Airflow Arc	360º
Distance from Supporting Structure	N/A
Distance from Obstructions	N/A
Distance to Furnace Flue	N/A
Spacing from Trees	16 meters, S
Nearest Major Roadway	Forest Rd
Distance and Direction to Road	43 meters, E
Traffic Count (ADT)	Unknown
Groundcover	Paved

SOUTH PHOENIX

County ID: SP
AQS ID: 04-013-4003
Address: 33 W Tamarisk, Phoenix
Coordinates: 33.40316N – 112.07533W
Metropolitan Sampling Area (MSA): 6200 Phoenix-Mesa

-General Information				
Pollutant/Monitor Type	**Ozone**	**CO**	**$PM_{2.5}$**	**PM_{10}**
Sampling Schedule	Continuous	Continuous	1 in 3 day	1 in 6 day
Analysis Method	N/A	N/A	Filters Weighed by ADEQ	Filters Weighed In-House
Any Proposal to Remove or Move Monitor?	No	No	No	No
Is site suitable for comparison to $PM_{2.5}$ NAAQS per Part 58.30?	N/A	N/A	N/A	N/A
-Appendix A Requirements				
# Precision Checks Performed Annually	24	14	2	N/A
# Precision Checks Passing (Percentage)	24 (100%)	14 (100%)	2 (100%)	N/A
# Accuracy Checks Performed Annually	3	1	1	1
# Accuracy Checks Passing (Percentage)	3 (100%)	1 (100%)	1 (100%)	1 (100%)
All Precision/Accuracy Reports Submitted to AQS?	Yes	Yes	Yes	Yes
Annual Data Certification Submitted?	Pending for July 2007	Pending for July 2007	Pending for July 2007	Pending for July 2007
Frequency of One-Point QC Check	Bi-Weekly	Bi-Weekly	N/A	N/A
Frequency of Flow Rate Verification	N/A	N/A	Every 6 Weeks	Monthly
Last Annual Performance Evaluation Date	9/12/06	1/30/06	N/A	N/A
Last Two Semi-Annual Flow Rate Audit Dates	N/A	N/A	1/6/06**	4/18/06**
-Appendix C Requirements				
Sampler Make & Model	API M400	API M300	R&P 2025	Anderson SSI
Date Established	10/01/1999	10/01/1999	01/01/2005	10/01/1999
Classification	SLAMS	SLAMS	SLAMS	SLAMS
Method (FRM, FEM, ARM)	FRM	FRM	FRM	FRM
-Appendix D Requirements				
Monitoring Objective	Population Exposure	Population Exposure	Population Exposure	Population Exposure
Monitoring Scale	Neighborhood	Neighborhood	Neighborhood	Neighborhood
Sampling Season	Jan-Dec	Sep-Mar	Jan-Dec	Jan-Dec
Network Meets Minimum Number of Monitors Required?	Yes	Yes	Yes	Yes
-Appendix E Requirements				
Distance between collocated samplers	N/A	N/A	N/A	N/A
Probe Inlet Height	4.9 meters	4.9 meters	5.5 meters	4.9 meters
Airflow Arc	360º	360º	360º	360º
Distance from Supporting Structure	N/A	N/A	N/A	N/A
Distance from Obstructions	N/A	N/A	N/A	N/A
Distance to Furnace Flue	N/A	N/A	N/A	N/A
Spacing from Trees	N/A	N/A	N/A	N/A
Nearest Major Roadway A	Central Ave	Central Ave	Central Ave	Central Ave
Distance and Direction to Road	168 meters, E	168 meters, E	168 meters, E	165 meters, E
Traffic Count (ADT)	24000	24000	24000	24000
Nearest Major Roadway B	Broadway Rd	Broadway Rd	Broadway Rd	Broadway Rd
Distance and Direction to Road	385 meters, N	385 meters, N	385 meters, N	385 meters, N
Traffic Count (ADT)	18000	18000	18000	18000
Groundcover	Paved	Paved	Paved	Paved

**Only one annual flow rate audit was performed.

SOUTH SCOTTSDALE

County ID: SS
AQS ID: 04-013-3003
Address: 2857 N Miller Rd., Scottsdale
Coordinates: 33.47968N – 111.91721W
Metropolitan Sampling Area (MSA): 6200 Phoenix-Mesa

-General Information					
Pollutant/Monitor Type	**Ozone**	**CO**	**NO_2**	**SO_2**	**PM_{10}**
Sampling Schedule	Continuous	Continuous	Continuous	Continuous	1 in 6 day
Analysis Method	N/A	N/A	N/A	N/A	Filters Weighed In-House
Any Proposal to Remove or Move Monitor?	No	No	No	No	No
Is site suitable for comparison to $PM_{2.5}$ NAAQS per Part 58.30?	N/A	N/A	N/A	N/A	N/A
-Appendix A Requirements					
# Precision Checks Performed Annually	25	15	26	28	59
# Precision Checks Passing (Percentage)	25 (100%)	15 (100%)	24 (92%)	25 (89%)	57 (97%)
# Accuracy Checks Performed Annually	4	3	5	5	1
# Accuracy Checks Passing (Percentage)	4 (100%)	3 (100%)	4 (80%)	5 (100%)	1 (100%)
All Precision/Accuracy Reports Submitted to AQS?	Yes	Yes	Yes	Yes	Yes
Annual Data Certification Submitted?	Pending for July 2007	Pending for July 2007	Pending for July 2007	Pending for July 2007	Pending for July 2007
Frequency of One-Point QC Check	Bi-Weekly	Bi-Weekly	Bi-Weekly	Bi-Weekly	N/A
Frequency of Flow Rate Verification	N/A	N/A	N/A	N/A	Monthly
Last Annual Performance Evaluation Date	12/13/06	11/15/06	10/12/06	11/01/06	N/A
Last Two Semi-Annual Flow Rate Audit Dates	N/A	N/A	N/A	N/A	4/27/06**
-Appendix C Requirements					
Sampler Make & Model	API M400	API M300	API M200	API M100	Anderson SSI
Date Established	01/01/1974	01/01/1974	10/01/1975	01/01/1984	07/01/1987
Classification	SLAMS	SLAMS	SLAMS	SLAMS	SLAMS
Method (FRM, FEM, ARM)	FRM	FRM	FRM	FRM	FRM
-Appendix D Requirements					
Monitoring Objective	Population Exposure	Population Exposure	Population Exposure	Population Exposure	Population Exposure
Monitoring Scale	Neighborhood	Neighborhood	Urban	Neighborhood	Neighborhood
Sampling Season	Jan-Dec	Sep-Mar	Jan-Dec	Jan-Dec	Jan-Dec
Network Meets Minimum Number of Monitors Required?	Yes	Yes	Yes	Yes	Yes
-Appendix E Requirements					
Distance between collocated samplers	N/A	N/A	N/A	N/A	6.5 meters
Probe Inlet Height	5.8 meters	5.8 meters	5.8 meters	5.8 meters	5.1 meters
Airflow Arc	360º	360º	360º	360º	360º
Distance from Supporting Structure	N/A	N/A	N/A	N/A	N/A
Distance from Obstructions	N/A	N/A	N/A	N/A	N/A
Distance to Furnace Flue	N/A	N/A	N/A	N/A	N/A
Spacing from Trees	14 meters, S	14 meters, S	14 meters, S	14 meters, S	14 meters, S
Nearest Major Roadway A	Thomas	Thomas	Thomas	Thomas	Thomas
Distance and Direction to Road	66 meters, N	66 meters, N	66 meters, N	66 meters, N	62 meters, N
Traffic Count (ADT)	33000	33000	33000	33000	33000
Nearest Major Roadway B	Miller	Miller	Miller	Miller	Miller
Distance and Direction to Road	32 meters, W	32 meters, W	32 meters, W	32 meters, W	35 meters, W
Traffic Count (ADT)	13000	13000	13000	13000	13000
Groundcover	Paved	Paved	Paved	Paved	Paved

**Only one annual flow rate audit was performed.

TEMPE
County ID: TE
AQS ID: 04-013-4005
Address: 1525 S College, Tempe
Coordinates: 33.4124N – 111.93473W
Metropolitan Sampling Area (MSA): 6200 Phoenix-Mesa

-General Information		
Pollutant/Monitor Type	**Ozone**	**CO**
Sampling Schedule	Continuous	Continuous
Analysis Method	N/A	N/A
Any Proposal to Remove or Move Monitor?	No	No
Is site suitable for comparison to $PM_{2.5}$ NAAQS per Part 58.30?	N/A	N/A
-Appendix A Requirements		
# Precision Checks Performed Annually	16	13
# Precision Checks Passing (Percentage)	16 (100%)	13 (100%)
# Accuracy Checks Performed Annually	2	1
# Accuracy Checks Passing (Percentage)	2 (100%)	1 (100%)
All Precision/Accuracy Reports Submitted to AQS?	Yes	Yes
Annual Data Certification Submitted?	Pending for July 2007	Pending for July 2007
Frequency of One-Point QC Check	Bi-Weekly	Bi-Weekly
Frequency of Flow Rate Verification	N/A	N/A
Last Annual Performance Evaluation Date	8/8/06	2/22/06
Last Two Semi-Annual Flow Rate Audit Dates	N/A	N/A
-Appendix C Requirements		
Sampler Make & Model	API M400	API M300
Date Established	07/01/2000	07/01/2000
Classification	SLAMS	SLAMS
Method (FRM, FEM, ARM)	FRM	FRM
-Appendix D Requirements		
Monitoring Objective	Population Exposure	Population Exposure
Monitoring Scale	Neighborhood	Neighborhood
Sampling Season	Jan-Dec	Sep-Mar
Network Meets Minimum Number of Monitors Required?	Yes	Yes
-Appendix E Requirements		
Distance between collocated samplers	N/A	N/A
Probe Inlet Height	4.4 meters	4.4 meters
Airflow Arc	360º	360º
Distance from Supporting Structure	N/A	N/A
Distance from Obstructions	N/A	N/A
Distance to Furnace Flue	N/A	N/A
Spacing from Trees	N/A	N/A
Nearest Major Roadway A	College Ave	College Ave
Distance and Direction to Road	11 meters, W	11 meters, W
Traffic Count (ADT)	Unknown (secondary street)	Unknown (secondary street)
Nearest Major Roadway B	Apache	Apache
Distance and Direction to Road	370 meters, N	370 meters, N
Traffic Count (ADT)	25000	25000
Groundcover	Gravel	Gravel

WEST CHANDLER
County ID: WC
AQS ID: 04-013-4004
Address: 275 S Ellis, Chandler
Coordinates: 33.29898N – 111.88431W
Metropolitan Sampling Area (MSA): 6200 Phoenix-Mesa

-General Information			
Pollutant/Monitor Type	**Ozone**	**CO**	**PM_{10}**
Sampling Schedule	Continuous	Continuous	Continuous
Analysis Method	N/A	N/A	Filters weighed in-house
Any Proposal to Remove or Move Monitor?	No	No	No
Is site suitable for comparison to $PM_{2.5}$ NAAQS per Part 58.30?	N/A	N/A	N/A
-Appendix A Requirements			
# Precision Checks Performed Annually	18	14	N/A
# Precision Checks Passing (Percentage)	17 (94%)	14 (100%)	N/A
# Accuracy Checks Performed Annually	2	2	1
# Accuracy Checks Passing (Percentage)	2 (100%)	2 (100%)	1 (100%)
All Precision/Accuracy Reports Submitted to AQS?	Yes	Yes	Yes
Annual Data Certification Submitted?	Pending for July 2007	Pending for July 2007	Pending for July 2007
Frequency of One-Point QC Check	Bi-Weekly	Bi-Weekly	N/A
Frequency of Flow Rate Verification	N/A	N/A	Monthly
Last Annual Performance Evaluation Date	3/15/06	9/25/06	N/A
Last Two Semi-Annual Flow Rate Audit Dates	N/A	N/A	4/27/06**
-Appendix C Requirements			
Sampler Make & Model	API M400	API M300	Anderson SSI
Date Established	07/01/2000	07/01/2000	07/01/2000
Classification	SLAMS	SLAMS	SLAMS
Method (FRM, FEM, ARM)	FRM	FRM	FRM
-Appendix D Requirements			
Monitoring Objective	Population Exposure	Population Exposure	Population Exposure
Monitoring Scale	Neighborhood	Neighborhood	Middle
Sampling Season	Apr-Oct	Sep-Mar	Jan-Dec
Network Meets Minimum Number of Monitors Required?	Yes	Yes	Yes
-Appendix E Requirements			
Distance between collocated samplers	N/A	N/A	N/A
Probe Inlet Height	4.4 meters	4.4 meters	4.4 meters
Airflow Arc	360º	360º	360º
Distance from Supporting Structure	N/A	N/A	N/A
Distance from Obstructions	N/A	N/A	N/A
Distance to Furnace Flue	N/A	N/A	N/A
Spacing from Trees	14 meters, E	14 meters, E	14 meters, E
Nearest Major Roadway A	Frye Rd	Frye Rd	Frye Rd
Distance and Direction to Road	23 meters, S	23 meters, S	25 meters, S
Traffic Count (ADT)	Unknown (secondary street)	Unknown (secondary street)	Unknown (secondary street)
Nearest Major Roadway B	Ellis St	Ellis St	Ellis St
Distance and Direction to Road	73 meters, W	73 meters, W	71 meters, W
Traffic Count (ADT)	Unknown (secondary street)	Unknown (secondary street)	Unknown (secondary street)
Groundcover	Paved/Gravel	Paved/Gravel	Paved/Gravel

**Only one annual flow rate audit was performed.

WEST 43RD AVENUE
County ID: WF
AQS ID: 04-013-4009
Address: 3940 W Broadway, Phoenix
Coordinates: 33.40642N – 112.14434W
Metropolitan Sampling Area (MSA): 6200 Phoenix-Mesa

-General Information	
Pollutant/Monitor Type	**PM_{10}**
Sampling Schedule	Continuous
Analysis Method	N/A
Any Proposal to Remove or Move Monitor?	No
Is site suitable for comparison to $PM_{2.5}$ NAAQS per Part 58.30?	N/A
-Appendix A Requirements	
# Precision Checks Performed Annually	40
# Precision Checks Passing (Percentage)	40 (100%)
# Accuracy Checks Performed Annually	1*
# Accuracy Checks Passing (Percentage)	1 (100%)
All Precision/Accuracy Reports Submitted to AQS?	Yes
Annual Data Certification Submitted?	Pending for July 2007
Frequency of One-Point QC Check	N/A
Frequency of Flow Rate Verification	Bi-Weekly
Last Annual Performance Evaluation Date	N/A
Last Two Semi-Annual Flow Rate Audit Dates	2/6/07**
-Appendix C Requirements	
Sampler Make & Model	R&P TEOM
Date Established	04/01/2002
Classification	SLAMS
Method (FRM, FEM, ARM)	FEM
-Appendix D Requirements	
Monitoring Objective	Highest Concentrations
Monitoring Scale	Middle
Sampling Season	Jan-Dec
Network Meets Minimum Number of Monitors Required?	Yes
-Appendix E Requirements	
Distance between collocated samplers	N/A
Probe Inlet Height	5 meters
Airflow Arc	360º
Distance from Supporting Structure	N/A
Distance from Obstructions	N/A
Distance to Furnace Flue	N/A
Spacing from Trees	N/A
Nearest Major Roadway	Broadway Road
Distance and Direction to Road	37 meters, SE
Traffic Count (ADT)	Unknown
Groundcover	Gravel

*Annual accuracy check was not performed until Feb 2007.
**Only one annual flow rate audit was performed.

WEST INDIAN SCHOOL ROAD
County ID: WI
AQS ID: 04-013-0016
Address: 3315 W Indian School Rd, Phoenix
Coordinates: 33.49462N – 112.13095W
Metropolitan Sampling Area (MSA): 6200 Phoenix-Mesa

-General Information	
Pollutant/Monitor Type	**CO**
Sampling Schedule	Continuous
Analysis Method	N/A
Any Proposal to Remove or Move Monitor?	Yes, consideration of removing monitor
Is site suitable for comparison to $PM_{2.5}$ NAAQS per Part 58.30?	N/A
-Appendix A Requirements	
# Precision Checks Performed Annually	24
# Precision Checks Passing (Percentage)	24 (100%)
# Accuracy Checks Performed Annually	4
# Accuracy Checks Passing (Percentage)	4 (100%)
All Precision/Accuracy Reports Submitted to AQS?	Yes
Annual Data Certification Submitted?	Pending for July 2007
Frequency of One-Point QC Check	Bi-Weekly
Frequency of Flow Rate Verification	N/A
Last Annual Performance Evaluation Date	9/14/06
Last Two Semi-Annual Flow Rate Audit Dates	N/A
-Appendix C Requirements	
Sampler Make & Model	API M300
Date Established	12/01/1980
Classification	SLAMS
Method (FRM, FEM, ARM)	FRM
-Appendix D Requirements	
Monitoring Objective	Highest Concentration
Monitoring Scale	Micro-scale
Sampling Season	Jan-Dec
Network Meets Minimum Number of Monitors Required?	Yes
-Appendix E Requirements	
Distance between collocated samplers	N/A
Probe Inlet Height	2.6 meters
Airflow Arc	360º
Distance from Supporting Structure	2 meters from side of building
Distance from Obstructions	Roofline 2 meters to South, .5 meters above probe
Distance to Furnace Flue	N/A
Spacing from Trees	N/A
Nearest Major Roadway	Indian School Road
Distance and Direction to Road	3 meters, N
Traffic Count (ADT)	50,000
Groundcover	Paved

WEST PHOENIX

County ID: WP
AQS ID: 04-013-0019
Address: 3847 W Earll, Phoenix
Coordinates: 33.48385N – 112.14257W
Metropolitan Sampling Area (MSA): 6200 Phoenix-Mesa

-General Information						
Pollutant/Monitor Type	**Ozone**	**CO**	**NO_2**	**$PM_{2.5}$**	**$PM_{2.5}$**	**PM_{10}**
Sampling Schedule	Continuous	Continuous	Continuous	1 in 3 days	Continuous	Continuous
Analysis Method	N/A	N/A	N/A	Filters weighed by ADEQ	N/A	N/A
Any Proposal to Remove or Move Monitor?	No	No	No	No	No	No
Is site suitable for comparison to $PM_{2.5}$ NAAQS per Part 58.30?	N/A	N/A	N/A	Yes	Yes	N/A
-Appendix A Requirements						
# Precision Checks Performed Annually	25	27	26	119	26	42
# Precision Checks Passing (Percentage)	25 (100%)	26 (96%)	23 (88%)	119 (100%)	26 (100%)	41 (98%)
# Accuracy Checks Performed Annually	3	5	3	1	1*	1*
# Accuracy Checks Passing (Percentage)	3 (100%)	5 (100%)	3 (100%)	1 (100%)	1 (100%)	1 (100%)
All Precision/Accuracy Reports Submitted to AQS?	Yes	Yes	Yes	Yes	Yes	Yes
Annual Data Certification Submitted?	Pending for July 2007	Pending for July 2007	Pending for July 2007	Pending for July 2007	Pending for July 2007	Pending for July 2007
Frequency of One-Point QC Check	Bi-Weekly	Bi-Weekly	Bi-Weekly	N/A	N/A	N/A
Frequency of Flow Rate Verification	N/A	N/A	N/A	Every 6 weeks	Bi-Weekly	Bi-Weekly
Last Annual Performance Evaluation Date	12/06/06	11/16/06	8/28/06	N/A	N/A	N/A
Last Two Semi-Annual Flow Rate Audit Dates	N/A	N/A	N/A	1/6/06**	1/25/07**	1/25/07**
-Appendix C Requirements						
Sampler Make & Model	API M400	API M300	API M200	R&P 2025	R&P FDMS-TEOM	R&P TEOM
Date Established	01/01/84	01/01/84	05/24/90	06/13/00	09/01/05	02/01/88
Classification	SLAMS	SLAMS	SLAMS	SLAMS	SLAMS	SLAMS
Method (FRM, FEM, ARM)	FRM	FRM	FRM	FRM	None	FEM
-Appendix D Requirements						
Monitoring Objective	Population Exposure	Population Exposure	Population Exposure	Highest Concentration	Highest Concentration	Population Exposure
Monitoring Scale	Neighborhood	Neighborhood	Neighborhood	Neighborhood	Neighborhood	Neighborhood
Sampling Season	Jan-Dec	Jan-Dec	Jan-Dec	Jan-Dec	Jan-Dec	Jan-Dec
Network Meets Minimum Number of Monitors Required?	Yes	Yes	Yes	Yes	Yes	Yes
-Appendix E Requirements						
Distance between collocated samplers	N/A	N/A	N/A	2.3 meters	N/A	N/A
Probe Inlet Height	4.3 meters	4.3 meters	4.3 meters	2.8 meter	3.6 meter	2.7 meters
Airflow Arc	360º	360º	360º	360º	360º	360º
Distance from Supporting Structure	N/A	N/A	N/A	N/A	N/A	N/A
Distance from Obstructions	N/A	N/A	N/A	N/A	N/A	N/A
Distance to Furnace Flue	N/A	N/A	N/A	N/A	N/A	N/A
Spacing from Trees	N/A	N/A	N/A	N/A	N/A	N/A
Nearest Major Roadway	Thomas	Thomas	Thomas	Thomas	Thomas	Thomas
Distance and Direction to Road	360 meters, S	360 meters, S	360 meters, S	360 meters, S	360 meters, S	360 meters, S
Traffic Count (ADT)	29,000	29,000	29,000	29,000	29,000	29,000
Groundcover	Gravel	Gravel	Gravel	Gravel	Gravel	Gravel

*Annual accuracy check was not performed until Jan 2007.
**Only one annual flow rate audit was performed

APPENDIX III - PUBLIC NOTICE AND COMMENT INFORMATION

Public Notice Period

To fulfill the requirements of 40CFR58 §58.10, Maricopa County Air Quality posted a draft copy of this Network Review on its website on May 2, 2007. On that same day we posted a news item on the website and ran a notice in the Arizona Republic newspaper informing the public that the Review was available for inspection and comment. We also informed the public that a workshop would be held on June 5, 2007 where comments and concerns could be addressed.

Public Comments

Maricopa County Air Quality did not receive any comments from the public regarding the annual Network Review.

News Release

The following is a copy of the news release that was posted on the Maricopa County website and advertised in the Arizona Republic newspaper:

Network Review Public Workshop

The Maricopa County Air Quality Department will hold a public meeting to discuss its 2006 Air Monitoring Network Review on Wednesday, June 6, 2007 at 1:00 p.m. The meeting will be held at 1001 North Central Avenue, Suite 560.

The 2006 Air Monitoring Network Review covers all ambient air monitoring activity captured by the department's 23 air monitoring sites in 2006. The Air Monitoring Network Review also provides a summary of the pollutants measured by Maricopa County, a look at the air monitoring network design and monitoring site details and statistics from the past year among other information.

A copy of the draft network review is currently available on the department's website at the following website address:
http://www.maricopa.gov/aq/divisions/monitoring/docs/pdf/2006_Air_Monitoring_Review_MCAQD.pdf

Copies of the document may be requested from the department's Records Management Coordinator at (602) 506-6201 or at the department's address: 1001 North Central Avenue, Phoenix, Arizona 85004. Arrangements may be made to view the information every Monday through Friday (excluding major holidays) between 8:00 a.m. and 4:30 p.m. There is a small fee for copying available documents.

Additional information on the draft Air Monitoring Network Review may be obtained by contacting Ben Davis at 1001 N. Central Ave., Suite #560, Phoenix, AZ, 85004, or by phone at (602) 506-6712.

The purpose of this June 6, 2007 public meeting is to receive comments from the public on the draft document. Members of the public may comment in person or through written statements to the department. Written comments shall state the name and mailing address of the person making comment and be signed by that person or authorized agent or attorney. Written comments on the draft document are due to the department by June 13, 2007 at 5:00 p.m.

A sign language and/or Spanish interpreter will be made available upon request with 72 hours notice. Additional reasonable accommodations will be made available to the extent possible within the time frame of the request.